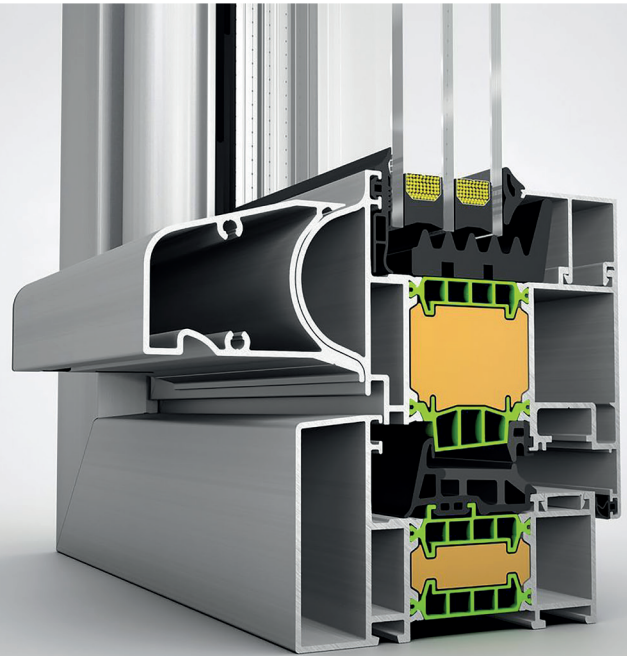




NABAT GROUP

POLYAMIDE THERMAL BREAKS



SOLUTIONS FOR WINDOWS DOORS AND FACADES

www.nabat.com.tr

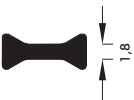











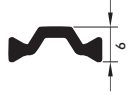







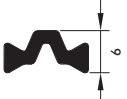










Company























































































NABAT GROUP LTD is manufacturing Polyamide & Pvc Thermal Breaks for solutions at windows, doors and facades profiles. Aluminium is massively used in the manufacturing of profiles for the building and construction industry in windows and door systems. A thermal break or thermal barrier is a material of low thermal conductivity placed in an assembly to reduce or prevent the flow of thermal energy between conductive materials. Polyamide material is the most popular material for thermal break. Thermal insulating profiles made of polyamide PA 66 GF25% (glass fiber reinforced polyamide) have significant advantages. The coefficient of linear thermal expansion (linear elongation coefficient) of the polyamide profiles is equivalent to the aluminum profile. Therefore, the polyamide profile is not subjected to internal stresses after it is pressed to aluminum profile. This is one of the most important advantages of using the polyamide material as a thermal barrier. Secondly, the deflection temperature of the polyamide profiles under load is high. Even at 200° C for about 15 minutes, no deformation occurs. Therefore, it can easily be heated in the ovens at the powder coating process. Thirdly, polyamide profiles do not emit toxic gases in case of fire. They are environmentally friendly. In addition, dimensional stability and resistance to chemicals of polyamide thermal barriers are high. Control of quality of the raw materials used in production is carried out according to the most known standards in branch. For this purpose in the order of firm there is completely equipped laboratory. Forms of all products are developed on modern programs and made in department of production of forms. NABAT GROUP LTD will help you in development and designing of new profiles according to drawings or samples of the customer.












































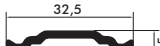











NABAT GROUP LTD – Наша организация занимается производством термомостов из Полиамида и ПВХ для оконных, дверных и фасадных профилей. Алюминий широко используется в производстве профилей на оконные и дверные системы. Термомост или тепловой барьер - это материал с низкой теплопроводностью, для уменьшения или предотвращения потока тепловой энергии между материалами. Полиамидный материал является наиболее популярным материалом для термического разрыва. Теплоизоляционные профили из полиамида **PA 66 GF25%** (полиамид и стекловолокно) имеют существенные преимущества. Следовательно, полиамидный профиль не подвергается внутренним напряжениям после его прижимания к алюминиевому профилю. Это одно из важнейших преимуществ использования полиамидного материала в качестве теплового барьера. Во-вторых, температура прогиба полиамидных профилей под нагрузкой высока. Даже при 200 °С в течение примерно 15 минут деформация не происходит. Поэтому его можно легко нагревать в печах в процессе нанесения порошкового покрытия. В-третьих, полиамидные профили не выделяют токсичных газов при пожаре. Они экологически чистые. Кроме того, стабильность размеров и стойкость к химическим веществам из полиамидных термобарьеров высоки. Контроль качества сырья, используемого в производстве, осуществляется в соответствии с наиболее известными в отрасли стандартами. Для этого в распоряжении фирмы есть полностью оборудованная лаборатория. Матрицы всех изделий разрабатываются по современным программам и производятся в отделе изготовления матриц. NABAT GROUP LTD поможет вам в разработке и проектировании новых профилей по чертежам или образцам заказчика.



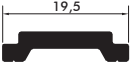



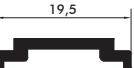

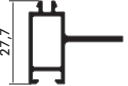


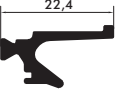
10 MM	14.6 MM	14.8 MM	15 MM	16 MM	17.8 MM
 NBT 911100	 NBT 913146	 NBT 911148	 NBT 911150	 NBT 911160	 NBT 911178
 NBT 913100		 NBT 912148	 NBT 921150	 NBT 912160	 NBT 912178
		 NBT 922148		 NBT 913160	 NBT 922178
12 MM		 NBT 913148		 NBT 914160	 NBT 915178
 NBT 911120		 NBT 915148		 NBT 922160	
 NBT 913120		 NBT 925148		 NBT 932160	
		 NBT 914148		 NBT 924160	
14 MM		 NBT 924148			
 NBT 913140		 NBT 923148			
 NBT 914140		 NBT 934148			
				17 MM	
				 NBT 917601	




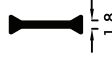















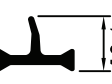


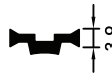

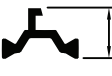



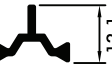

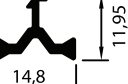
18 MM	18.6 MM	20 MM		21.6 MM	22 MM
 NBT 911180	 NBT 911186	 NBT 911200	 NBT 912200	 NBT 913216	 NBT 911220
 NBT 913180	 NBT 912186	 NBT 913200	 NBT 934200		 NBT 913220
 NBT 914180	 NBT 913186	 NBT 923200	 NBT 974200		 NBT 912220
 NBT 915180	 NBT 928186	 NBT 924200	 NBT 964200		 NBT 914220
 NBT 928180		 NBT 914200	 NBT 933200		 NBT 924220
 NBT 924180		 NBT 916200	 NBT 984200		 NBT 915220
 NBT 923180		 NBT 915200	 NBT 928200		
		 NBT 926200	 NBT 918200		
		 NBT 954200	 NBT 922200		
		 NBT 944200			




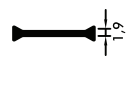
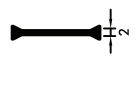



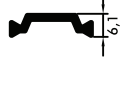
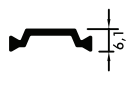
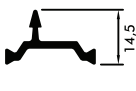









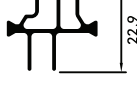


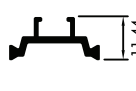







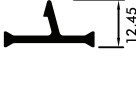
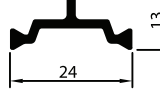
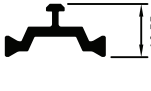
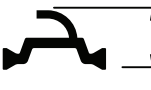


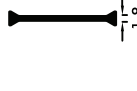
24 MM		26 MM		27 MM		28 MM	
							
NBT 911240	NBT 922240	NBT 921240	NBT 911260	NBT 913270	NBT 913280		
							
NBT 923240	NBT 943240	NBT 994240	NBT 913260	NBT 914270	NBT 915280		
							
NBT 913240	NBT 918240	NBT 995240	NBT 914260	NBT 915270	NBT 916280		
							
NBT 912240	NBT 984240	NBT 996240	NBT 912260	NBT 924270	NBT 911280		
							
NBT 914240	NBT 974240		NBT 918260		NBT 928280		
		25 MM					
NBT 915240	NBT 932240			NBT 924260	NBT 918280		
							
NBT 925240	NBT 954240	NBT 911250					
			26.8 MM				
NBT 916240	NBT 944240	NBT 913250					
							
NBT 924240	NBT 934240	NBT 914250	NBT 932268				
							
NBT 933240	NBT 964240	NBT 924250	NBT 922268				
							
			NBT 912268				

28.8 MM	32 MM	34 MM		35 MM	39 MM
 NBT 911288	 NBT 913320	 NBT 924340	 NBT 914340	 NBT 926350	 NBT 916390
	 NBT 925320	 NBT 916340	 NBT 915340	 NBT 913350	 NBT 926390
30 MM		 NBT 946340	 NBT 954340	 NBT 914350	 NBT 936390
 NBT 921300	 NBT 911320	 NBT 934340	 NBT 964340		 NBT 913390
 NBT 913300	 NBT 915320	 NBT 936340	 NBT 944340	 NBT 913360	
 NBT 915300	 NBT 928320	 NBT 956340	 NBT 976340		 NBT 911400
 NBT 911300	 NBT 914320	 NBT 926340	 NBT 933340	 NBT 913380	 NBT 913400
 NBT 914300	 NBT 924320	 NBT 923340	 NBT 996340	 NBT 915380	 NBT 923400
 NBT 918300	 NBT 935320	 NBT 913340	 NBT 974340		
		 NBT 966340	 NBT 986340		

54 MM	65 MM	75 MM
		
NBT 913540	NBT 913650	NBT 913750
		
NBT 915540		
		
NBT 916540		

OPERATING RODS	SPECIAL PROFILES
	
NBT 917600	NBT 917610
	
NBT 917620	NBT 920100
	
NBT 917630	NBT 917603
	
NBT 917640	NBT 917613
	
	NBT 917606
	
	NBT 917635
	
	NBT 917605
	
	NBT 917604

9 MM	14.8 MM		16 MM	17.8 MM	18 MM	
 NBT 016	 NBT 002	 NBT 017	 NBT 008	 NBT 054	 NBT 038	
	 NBT 005	 NBT 011	 NBT 046	 NBT 053	 NBT 104	
10 MM	 NBT 042	 NBT 211	 NBT 004	 NBT 009	 NBT 052	 NBT 112
 NBT 115	 NBT 212	 NBT 076	 NBT 220		 NBT 039	
	 NBT 048	 NBT 210	 NBT 010			
12 MM	 NBT 001	 NBT 026	 NBT 329	 NBT 047		
 NBT 033	 NBT 382					

18.6 MM	20 MM	21 MM	22 MM	24 MM	
					
NBT 003	NBT 027	NBT 299	NBT 030	NBT 032	NBT 114
					
NBT 007	NBT 035		NBT 034	NBT 130	NBT 287
		21.8 MM			
					
	NBT 216	NBT 082	NBT 031	NBT 113	NBT 231
					
	NBT 029	NBT 084	NBT 195	NBT 036	NBT 230
					
	NBT 305	NBT 083		NBT 213	NBT 215
					
	NBT 085	NBT 194		NBT 079	NBT 327
					
	NBT 306	NBT 192		NBT 037	NBT 376
					
	NBT 325				
					
	NBT 326				
					
	NBT 384				
				25 MM	
					
				NBT 091	
				28.8 MM	
					
				NBT 222	

FACADE PROFILES

NBT 250	NBT 086	NBT 160	NBT 068	NBT 110	NBT 252
NBT 144	NBT 207	NBT 045	NBT 095	NBT 028	NBT 285
NBT 141	NBT 139	NBT 159	NBT 121	NBT 124	NBT 251
NBT 283	NBT 278	NBT 044	NBT 019	NBT 123	NBT 253
NBT 143	NBT 020	NBT 043	NBT 021	NBT 122	NBT 330
NBT 284	NBT 314	NBT 058	NBT 217	NBT 346	NBT 339
NBT 140	NBT 328	NBT 300	NBT 094	NBT 351	NBT 315
NBT 041	NBT 324	NBT 057	NBT 142	NBT 161	NBT 337
NBT 263	NBT 316	NBT 313	NBT 087	NBT 255	NBT 318
	NBT 237				

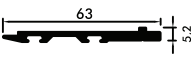
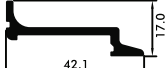
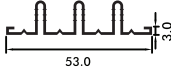
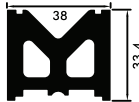
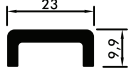
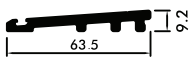


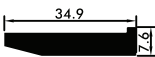
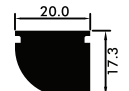
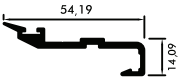
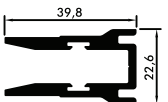

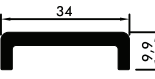
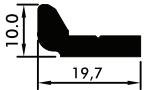
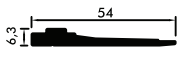
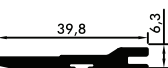
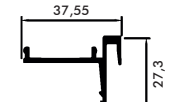
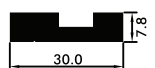
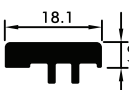
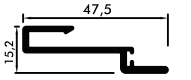
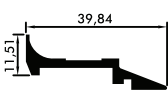
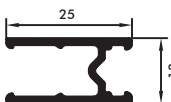

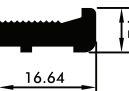
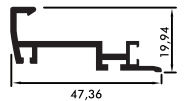
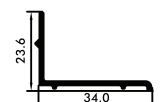

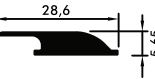
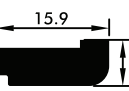
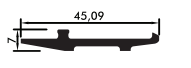
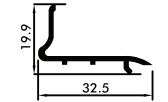
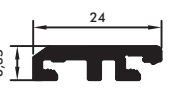

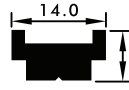
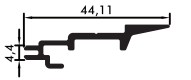
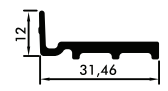
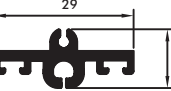
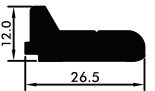
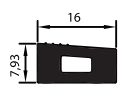
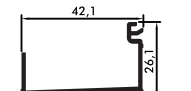
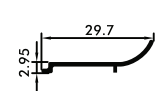
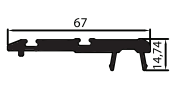
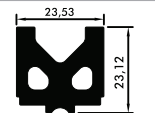
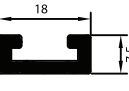
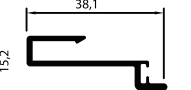
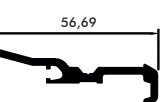
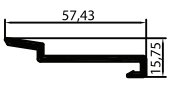
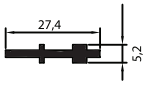
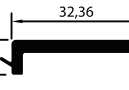
FAÇADE PROFILES

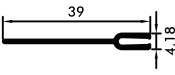
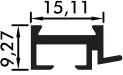

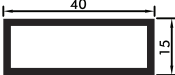
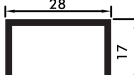
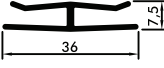
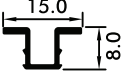


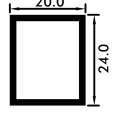

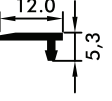
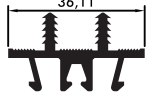
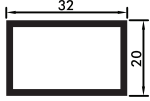
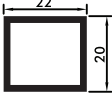
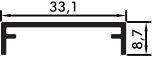
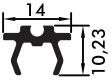
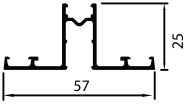
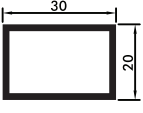
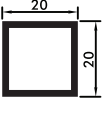
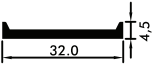
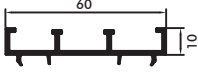
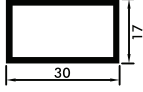
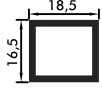
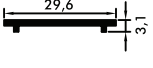
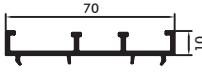
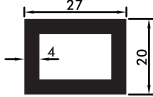
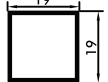
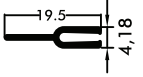
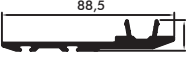
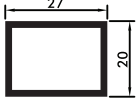
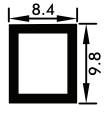
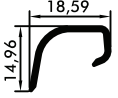
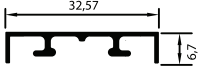
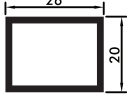
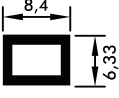
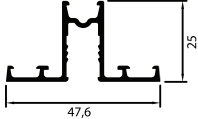
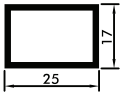
NBT 148	NBT 025	NBT 165
NBT 069	NBT 232	NBT 208
NBT 105	NBT 129	
NBT 191	NBT 233	
NBT 064		
NBT 276		

SLIDING PROFILES

NBT 269	NBT 238	NBT 289
NBT 264	NBT 182	NBT 177
NBT 180	NBT 279	NBT 206
NBT 089	NBT 092	NBT 145
NBT 146	NBT 107	NBT 063
NBT 006	NBT 198	NBT 353
NBT 077	NBT 022	NBT 361
NBT 261	NBT 062	
NBT 295	NBT 333	
NBT 309	NBT 311	

SPECIAL PROFILES

 NBT 221	 NBT 093	 NBT 071	 NBT 281	 NBT 280
 NBT 111	 NBT 274	 NBT 070	 NBT 023	 NBT 103
 NBT 262	 NBT 128	 NBT 296	 NBT 273	 NBT 055
 NBT 268	 NBT 127	 NBT 340	 NBT 101	 NBT 075
 NBT 303	 NBT 181	 NBT 319	 NBT 040	 NBT 088
 NBT 265	 NBT 061	 NBT 343	 NBT 096	 NBT 024
 NBT 277	 NBT 078	 NBT 344	 NBT 203	 NBT 018
 NBT 290	 NBT 249	 NBT 345	 NBT 056	 NBT 348
 NBT 302	 NBT 090	 NBT 347	 NBT 282	 NBT 349
 NBT 321	 NBT 334	 NBT 354	 NBT 350	 NBT 381

SPECIAL PROFILES			BOX PROFILES	
 NBT 234	 NBT 301	 NBT 175	 NBT 219	 NBT 149
 NBT 291	 NBT 098	 NBT 176	 NBT 298	 NBT 060
 NBT 015	 NBT 099	 NBT 260	 NBT 236	 NBT 248
 NBT 266	 NBT 307	 NBT 320	 NBT 257	 NBT 256
 NBT 015A		 NBT 336	 NBT 051	 NBT 254
 NBT 267		 NBT 338	 NBT 259	 NBT 151
 NBT 235		 NBT 335	 NBT 246	 NBT 049
 NBT 244		 NBT 322	 NBT 247	 NBT 155
		 NBT 383	 NBT 059	

MATERIAL DATA SHEET

Standard Polyamide 66, 25% Glass Fibre Content Properties

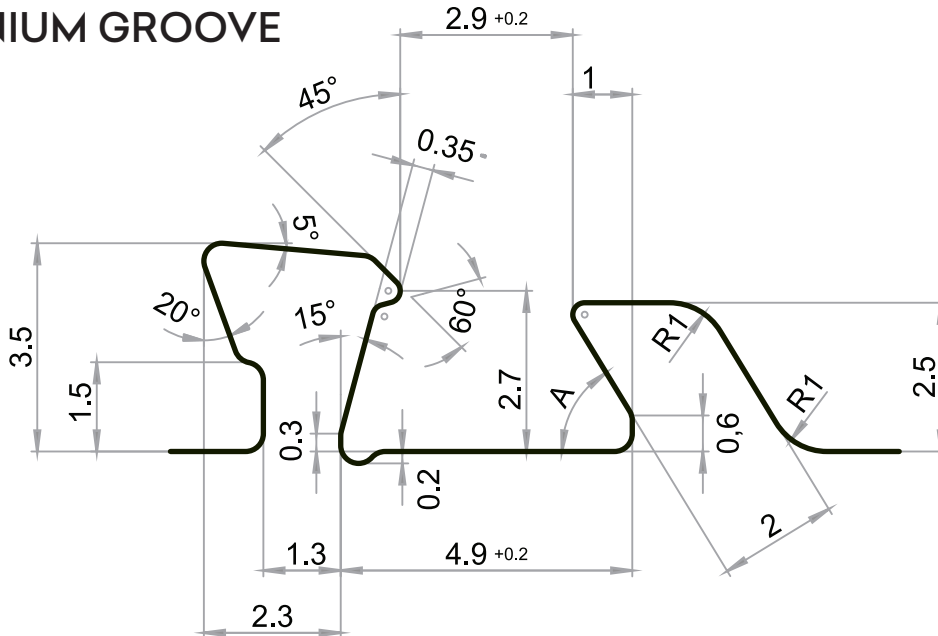
Properties	Standard	Unit	Samples taken from the extruded profile		Injected-moulded samples
			Dry ⁽¹⁾	Humidity Equilibrium ⁽²⁾	Dry ⁽¹⁾
Melting temperature	EN ISO 11357	°C	min. 250	min. 250	min. 250
Density	EN ISO 1183-1	g/cm ³	1.3 ± 0,05	1.3 ± 0,05	1.3 ± 0,05
Glass fibre content	EN ISO 1172	% weight	25 ± 2.5	25 ± 2.5	25 ± 2.5
Shore hardness D	EN ISO 868	-	min.82 ± 4	78 ± 4	82 ± 4
Impact strength	EN ISO 179-1	Kj/m ²	min. 30 or w.b.	min. 40 or without break	min. 35
Tensile strength	EN ISO 527	N/mm ²	min. 80	min. 50	min. 110
Young's modulus	EN ISO 527	N/mm ²	min. 4500	min. 2500	min. 6000
Elongation at break	EN ISO 527	%	min. 3	min. 6	min. 3
Thermal conductivity	DIN 52612		~0,3 W/m.K		
Heat resistance in oven			220°C/15 min.		
Resistance in alkali and acid			85°C /15 min.		

¹ Water content less than 0,2% by weight

² Humidity Equilibrium: Conditioning acc. to EN ISO 1110 (23°C / 50%)

It is not intended to assure legally binding or to guarantee the nature of the products, the trade capability of the products and the suitability for a certain use. We reserve the right of technical alterations.

ALUMINIUM GROOVE



COMPATIBILITY CHECK

We recommend to make a compatibility check for your aluminium cavity with our insulating profile heads. If you share your technical drawings, we would be glad to conduct a double-check. Don't hesitate to ask for our assistance.

ALÜMİNYUM YUVASI UYUMLULUK KONTROLÜ

Isı yalıtım profillerimizin alüminyum yuvalarınızla uyumunu kontrol etmenizi tavsiye ederiz. Bizimle teknik çizimlerinizi paylaştığınız takdirde size bu konuda destek vermekten memnuniyet duyarız. Bize sormaktan çekinmeyin.

PA66 GF25%

www.nabat.com.tr

PA66 GF25%

Contact Us

Merkez / Head Office

📍 Altınşehir Mah. Ahmet Taner Kışlalı Bulvarı
163. Sokak No: 11 B Blok Kat: 4 No: 50 Elite Office
16335 Nilüfer / BURSA / TURKEY

☎ +90 224 452 77 84

📠 +90 224 452 77 85

İstanbul Şube / Branch

📍 Talatpaşa Mah. Pazaryolu Cad. Sedai İş Merkezi
No: 2/67 34510 Esenyurt / İSTANBUL / TURKEY

☎ +90 212 699 84 67

Fabrika / Factory

📍 Yenice Organize Sanayi (Yenice OSB)
Yeniceköy Mah. 619. Sk. No: 14
16335 İnegöl / BURSA / TURKEY

✉ nabat@nabat.com.tr

🌐 www.nabat.com.tr



NABAT GROUP

