Tecomid® NB40 GR30 NL MB

PA6-GF30 — Eurotec Mühendislik Plastikleri

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	**9000**	MPa	ISO 527
Stress at break	**150**	MPa	ISO 527
Strain at break	**4**	%	ISO 527
Izod impact strength, +23°C	**100**	kJ/m²	ISO 180/1U
Izod notched impact strength, +23°C	**20**	kJ/m²	ISO 180/1A
Izod notched impact strength	**15**	kJ/m²	ISO 180/1A
Temperature	**-30**	°C	-

Thermal properties	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	**223**	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	**200**	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	**215**	°C	ISO 75-1/-2
Vicat softening temperature, B	**210**	°C	ISO 306
Burning behav. at 1.5 mm nom. thickn.	**HB**	class	IEC 60695-11-10
Thickness tested	**1.6**	mm	-
Burning behav. at thickness h	**HB**	class	IEC 60695-11-10
Thickness tested	**0.8**	mm	-

Electrical properties	Value	Unit	Test Standard
ISO Data			
Volume resistivity	**1E13**	Ohm*m	IEC 62631-3-1
Surface resistivity	**1E13**	Ohm	IEC 62631-3-2
Comparative tracking index	**500**	-	IEC 60112

Other properties	Value	Unit	Test Standard
Humidity absorption	**2**	%	Sim. to ISO 62
Density	**1330**	kg/m³	ISO 1183
Moisture Content	**0.2**	%	-

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	**80**	°C	-
Pre-drying - Time	**2 - 4**	h	-
Melt temperature	**250 - 270**	°C	-
Mold temperature	**60 - 100**	°C	-
Feed temperature	**60 - 80**	°C	-
Holding pressure	**50 - 100**	MPa	-

Characteristics

Processing
Injection Molding

Delivery form
Natural Color

Special Characteristics
High impact or impact modified, Heat stabilized or stable to heat

Regional Availability
Europe