

Tecomid® NB50 NL IT

Polyamide 6
Eurotec Engineering Plastics

Message:
PA6, impact modified, supertough, natural, extrusion grade

General Information			
Additive	Impact modifier		
Features	Ultra high toughness		
	Impact modification		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS compliance		
Appearance	Natural color		
Processing Method	Extrusion		
Resin ID (ISO 1043)	PA6-I		
Physical	Nominal Value	Unit	Test Method
Density	1.09	g/cm ³	ISO 1183
Water Absorption (Equilibrium, 23°C, 50% RH)	2.3	%	ISO 62
Moisture Content		%	ISO 15512
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	250	MPa	ISO 527-2
Tensile Stress (Break, 23°C)	45.0	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	> 200	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ISO 180/1A
-30°C	20	kJ/m ²	ISO 180/1A
23°C	No Break		ISO 180/1A
Unnotched Izod Impact Strength			ISO 180/1U
-30°C	No Break		ISO 180/1U
23°C	No Break		ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	50.0	°C	ISO 75-2/A
Melting Temperature ¹	223	°C	ISO 11357-3
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+13	ohms	IEC 60093
Volume Resistivity	1.0E+15	ohms · cm	IEC 60093
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94

0.750 mm	HB	UL 94
1.60 mm	HB	UL 94
Injection instructions		
Pre-drying is not necessary for materials in moisture proof closed bags.		
Extrusion	Nominal Value	Unit
Drying Temperature	80.0	°C
Drying Time	2.0 - 4.0	hr
NOTE		
1.	10 K/min	

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