

Tecomid® NB50 BK001 IH

Polyamide 6
Eurotec Engineering Plastics

Message:
PA6, impact modified, black, extrusion grade

General Information			
Additive	Impact modifier		
Features	Impact modification		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS compliance		
Appearance	Black		
Processing Method	Extrusion		
Resin ID (ISO 1043)	PA6-I		
Physical	Nominal Value	Unit	Test Method
Density	1.04	g/cm ³	ISO 1183
Molding Shrinkage			Internal method
Vertical flow direction	1.5	%	Internal method
Flow direction	1.5	%	Internal method
Water Absorption (Equilibrium, 23°C, 50% RH)	2.3	%	ISO 62
Moisture Content		%	ISO 960
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	1300	MPa	ISO 527-2
Tensile Stress (Yield, 23°C)	40.0	MPa	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	80	kJ/m ²	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			
0.45 MPa, not annealed	55.0	°C	ISO 75-2/B
1.8 MPa, not annealed	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
Comparative Tracking Index (Solution A)	600	V	IEC 60112
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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