

Tecomid® NB30 BK EF

Polyamide 6
Eurotec Engineering Plastics

Message:
PA6, unfilled, black, suitable for electrostatic powder coating

General Information			
Uses	Coating application		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS compliance		
Appearance	Black		
Processing Method	Electrostatic jet coating		
	Injection molding		
Resin ID (ISO 1043)	PA6		
Physical	Nominal Value	Unit	Test Method
Density	1.18	g/cm³	ISO 1183
Molding Shrinkage			Internal method
Vertical flow direction	1.1	%	Internal method
Flow direction	1.1	%	Internal method
Water Absorption (Equilibrium, 23°C, 50% RH)	2.5	%	ISO 62
Moisture Content		%	ISO 960
Back Pressure	Low		
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	3000	MPa	ISO 527-2
Tensile Stress (Break, 23°C)	70.0	MPa	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ISO 180/1A
-30°C	6.0	kJ/m²	ISO 180/1A
23°C	7.0	kJ/m²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	65.0	°C	ISO 75-2/A
Melting Temperature ¹	223	°C	ISO 11357-3
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	< 1.0E+5	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	Nominal Value	Unit
Drying Temperature	80.0	°C
Drying Time	2.0 - 4.0	hr
Hopper Temperature	60.0 - 80.0	°C
Processing (Melt) Temp	240 - 260	°C
Mold Temperature	40.0 - 80.0	°C
Injection Rate	Moderate-Fast	
Holding Pressure	50.0 - 100	MPa
Injection instructions		
Pre-drying is not necessary for materials in moisture proof closed bags.		
NOTE		

1. 10 K/min

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