

Tecomid® NB30 GR13 BK EF

Polyamide 6
Eurotec Engineering Plastics

Message:
PA6, 13% glass fiber reinforced, black, suitable for electrostatic powder coating

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 13% filler by weight		
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 GF13		
Physical	Nominal Value	Unit	Test Method
Density	1.27	g/cm ³	ISO 1183
Molding Shrinkage			Internal method
Vertical flow direction	1.0	%	Internal method
Flow direction	0.30	%	Internal method
Water Absorption (Equilibrium, 23°C, 50% RH)	2.0	%	ISO 62
Moisture Content		%	ISO 15512
Back Pressure	Low		
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	6000	MPa	ISO 527-2
Tensile Stress (Break, 23°C)	90.0	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	3.0	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ISO 180/1A
-30°C	8.0	kJ/m ²	ISO 180/1A
23°C	10	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	170	°C	ISO 75-2/A
Melting Temperature ¹	223	°C	ISO 11357-3
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	< 1.0E+3	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	250 - 270	°C
Mold Temperature	60.0 - 100	°C
Injection Rate	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	

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

