

Tecomid® NA40 CR20 BK111

Polyamide 66
Eurotec Engineering Plastics

Message:
PA6.6, 20% carbon fiber reinforced, black

General Information			
Filler / Reinforcement	Carbon fiber reinforced material, 20% filler by weight		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS compliance		
Appearance	Black		
Processing Method	Injection molding		
Resin ID (ISO 1043)	PA6.6 CF20		
Physical	Nominal Value	Unit	Test Method
Density	1.22	g/cm ³	ISO 1183
Molding Shrinkage			Internal method
Vertical flow direction	1.1	%	Internal method
Flow direction	0.30	%	Internal method
Water Absorption (Equilibrium, 23°C, 50% RH)	2.2	%	ISO 62
Moisture Content		%	ISO 960
Back Pressure	Low		
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	15000	MPa	ISO 527-2
Tensile Stress (Break, 23°C)	200	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	2.5	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	8.0	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	245	°C	ISO 75-2/A
Melting Temperature ¹	262	°C	ISO 11357-3
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	< 1.0E+4	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	270 - 300	°C
Mold Temperature	70.0 - 110	°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

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