

Tecomid® NA40 AR20 NL HS

Polyamide 66
Eurotec Engineering Plastics

Message:
PA6.6, 20% aramide fiber reinforced, heat stabilized, natural

General Information			
Filler / Reinforcement	Aramid fiber, 20% filler by weight		
Additive	heat stabilizer		
Features	Thermal Stability		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS compliance		
Appearance	Natural color		
Processing Method	Injection molding		
Resin ID (ISO 1043)	PA6.6 RF20		
Physical	Nominal Value	Unit	Test Method
Density	1.19	g/cm ³	ISO 1183
Moisture Content		%	ISO 960
Back Pressure	Low		
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	5000	MPa	ISO 527-2
Tensile Stress (Break, 23°C)	100	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	5.0	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	5.5	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	220	°C	ISO 75-2/A
Melting Temperature ¹	262	°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	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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