

Polimid A 20 FC

Polyamide 66

Poliblend S.p.a.

Message:

Polimid A 20 FC is a Polyamide 66 (Nylon 66) material filled with 20% glass fiber. It is available in Africa & Middle East, Asia Pacific, Europe, or Latin America. Primary attribute of Polimid A 20 FC: Flame Rated.

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Appearance	Natural Color		
Physical	Nominal Value	Unit	Test Method
Density	1.22	g/cm ³	ISO 1183
Molding Shrinkage	0.20 to 0.40	%	
Water Absorption (23°C, 24 hr)	1.0	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	12000	MPa	ISO 527-2
Tensile Stress			ISO 527-2
Yield	165	MPa	
Break	165	MPa	
Tensile Strain			ISO 527-2
Yield	2.0	%	
Break	2.0	%	
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	5.0	kJ/m ²	ISO 180/A
Unnotched Izod Impact Strength	35	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	255	°C	ISO 75-2/B
1.8 MPa, Unannealed	245	°C	ISO 75-2/A
Continuous Use Temperature ¹	110	°C	
Vicat Softening Temperature	253	°C	ISO 306/A120
Ball Pressure Test (165°C)	Pass		IEC 60695-10-2
Melting Temperature	260	°C	DSC
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+3	ohms · cm	IEC 60093
Comparative Tracking Index	< 100	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.800 mm	HB		
1.60 mm	HB		

3.20 mm	HB	
Injection	Nominal Value	Unit
Drying Temperature	90.0 to 100	°C
Drying Time	> 3.0	hr
Processing (Melt) Temp	270 to 290	°C
Mold Temperature	80.0 to 90.0	°C
NOTE		
1.	Without Load	

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Recommended distributors for this material

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