

4TECH® 9B20000 E-S

Polyamide 6
4Plas

Message:

4TECH 9B20000 E-S is a Standard Flow Unfilled Electro Static PA6

General Information			
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.18	g/cm ³	ISO 1183
Water Absorption ¹ (Equilibrium, 23°C, 50% RH)	2.5	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	3000	MPa	ISO 527-2/5
Tensile Stress (Break, 23°C)	70.0	MPa	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ISO 180/1A
-30°C	6.0	kJ/m ²	ISO 180/1A
23°C	7.0	kJ/m ²	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 ²	223	°C	ISO 11357
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+15	ohms · cm	IEC 60093
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	2.0	hr	
Suggested Max Moisture	0.20	%	
Processing (Melt) Temp	240 - 260	°C	
Mold Temperature	70.0 - 90.0	°C	
Injection Rate	Moderate-Fast		
Holding Pressure	50.0 - 100	MPa	
Screw Speed	400	rpm	
Injection instructions			
Feed Throat Temperature: 60 - 80 °CBack Pressure: Low			
NOTE			
1.	24 Hrs		
2.	10 K/min		

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