

4TECH® 9S22120

Polyphenylene
4Plas

Message:

4TECH 9S22120 is a Standard Flow 20% Glass Fibre Reinforced PPO

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 20% filler by weight		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.20	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	7000	MPa	ISO 527-2/5
Tensile Stress (Break, 23°C)	100	MPa	ISO 527-2/5
Tensile Strain (Break, 23°C)	3.0	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ISO 180/1A
-30°C	11	kJ/m ²	ISO 180/1A
23°C	12	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	125	°C	ISO 75-2/A
Vicat Softening Temperature	135	°C	ISO 306/B
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
0.750 mm	HB		UL 94
1.60 mm	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	70.0 - 90.0	°C	
Drying Time	2.0 - 3.0	hr	
Suggested Max Moisture	0.020	%	
Processing (Melt) Temp	270 - 300	°C	
Mold Temperature	80.0 - 120	°C	
Injection Rate	Slow-Moderate		
Holding Pressure	60.0 - 120	MPa	
Screw Speed	250	rpm	
Injection instructions			

Feed Throat Temperature: 60 - 80 °CBack Pressure: Low

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Recommended distributors for this material

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