

AIE PPO 9010-SG20

Polyphenylene Ether + PS

Asia International Enterprise (Hong Kong) Limited

Message:

AIE PPO 9010-SG20 is a Polyphenylene Ether + PS (PPE+PS) material filled with 20% glass fiber. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America for injection molding.

Important attributes of AIE PPO 9010-SG20 are:

- Flame Rated
- Heat Resistant
- High Strength

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Features	High Heat Resistance		
	High Strength		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.17	g/cm ³	ISO 1183
Molding Shrinkage	0.40	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	90.0	MPa	ISO 527-2
Flexural Modulus	4500	MPa	ISO 178
Flexural Stress	124	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	13	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	153	°C	ISO 75-2/B
1.8 MPa, Unannealed	133	°C	ISO 75-2/A
Flammability	Nominal Value	Test Method	
Flame Rating (1.60 mm)	HB	UL 94	
Injection	Nominal Value	Unit	
Drying Temperature	110 to 120	°C	
Drying Time	3.0 to 4.0	hr	
Processing (Melt) Temp	260 to 320	°C	
Mold Temperature	80.0 to 110	°C	
Injection Pressure	30.0 to 80.0	MPa	

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