AIE PPO 9010F-SG20

Polyphenylene Ether + PS

Asia International Enterprise (Hong Kong) Limited

Message:

AIE PPO 9010F-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 9010F-SG20 are:
Flame Rated
Flame Retardant
Heat Resistant
High Strength

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Features	Flame Retardant High Heat Resistance High Strength		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.23	g/cm³	ISO 1183
Molding Shrinkage	0.30	%	Internal Method
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (Yield)	105	MPa	ISO 527-2
Flexural Modulus	5700	MPa	ISO 178
Flexural Stress	150	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact Strength	11	kJ/m²	ISO 180
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature			
0.45 MPa, Unannealed	132	°C	ISO 75-2/B
1.8 MPa, Unannealed	137	°C	ISO 75-2/A
Flammability	**Nominal Value**		**Test Method**
Flame Rating			UL 94
1.50 mm	V-1		
6.00 mm	V-0		
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

Recommended distributors for this material

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