

Generic PPE+PS+Nylon - Mineral

Polyphenylene Ether + PS + Nylon

Generic

Message:

This data represents typical values that have been calculated from all products classified as: Generic PPE+PS+Nylon - Mineral
This information is provided for comparative purposes only.

General Information			
Filler / Reinforcement	Mineral filler		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.20 - 1.25	g/cm ³	ISO 1183
Molding Shrinkage - Flow (23°C)	0.80 - 1.1	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	4200 - 4790	MPa	ISO 527-2
Tensile Stress (Break, 23°C)	60.0 - 65.0	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	4.0 - 7.0	%	ISO 527-2
Flexural Modulus (23°C)	4000 - 4440	MPa	ISO 178
Flexural Stress (23°C)	105 - 110	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	3.5 - 4.0	kJ/m ²	ISO 179
Notched Izod Impact (23°C)	4.0 - 4.5	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	184 - 205	°C	ISO 75-2/B
Vicat Softening Temperature	185 - 200	°C	ISO 306
Linear thermal expansion coefficient			ISO 11359-2
Flow	5.0E-5 - 6.0E-5	cm/cm/°C	ISO 11359-2
Lateral	6.5E-5	cm/cm/°C	ISO 11359-2
Injection	Nominal Value	Unit	
Drying Temperature	100 - 105	°C	
Drying Time	2.5 - 3.5	hr	
Suggested Max Moisture	0.020 - 0.070	%	
Rear Temperature	270 - 279	°C	
Middle Temperature	282 - 290	°C	
Front Temperature	285 - 310	°C	
Nozzle Temperature	288 - 290	°C	
Processing (Melt) Temp	288 - 310	°C	
Mold Temperature	79.4 - 110	°C	
Injection instructions			

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
Phone: +86 13424755533
Email: sales@su-jiao.com
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

