

Sunny® PA6 EB230

Polyamide 6

Guangdong Shunde Shunyan New Material Co., Ltd.

Message:

EP flame reinforced Polyamide 6

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Features	Flame Retardant		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.59	g/cm³	ISO 1183
Molding Shrinkage (23°C)	0.20 to 0.40	%	ISO 294-4
Water Absorption (Equilibrium, 23°C, 50% RH)	1.0	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	130	MPa	ISO 527-2/5
Tensile Strain (Break)	6.0	%	ISO 527-2/5
Flexural Modulus (50.0 mm Span)	8000	MPa	ISO 178
Flexural Stress ¹	190	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	12	kJ/m²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed, 6.40 mm)	205	°C	ISO 75-2/Af
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.60 mm	V-0		
3.20 mm	V-0		
Injection	Nominal Value	Unit	
Drying Temperature	110 to 120	°C	
Drying Time	3.0 to 4.0	hr	
Rear Temperature	250	°C	
Middle Temperature	240	°C	
Front Temperature	240	°C	
Processing (Melt) Temp	250	°C	
Mold Temperature	90.0	°C	
Injection Rate	Moderate-Fast		
NOTE			

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Recommended distributors for this material

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