

Sunny® PA6 EB130

Polyamide 6

Guangdong Shunde Shunyan New Material Co., Ltd.

Message:

EP reinforced Polyamide 6

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity			
-- ¹	1.36	g/cm ³	ASTM D792
23°C	1.36	g/cm ³	ISO 1183
Molding Shrinkage			
Flow : 23°C	0.30 to 0.50	%	ASTM D955
23°C	0.30 to 0.50	%	ISO 294-4
Water Absorption			
Equilibrium, 23°C	1.0	%	ASTM D570
Equilibrium, 23°C, 50% RH	1.0	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
-- ²	150	MPa	ASTM D638
--	150	MPa	ISO 527-2/5
Tensile Elongation			
Break ³	7.6	%	ASTM D638
Break	8.0	%	ISO 527-2/5
Flexural Modulus			
50.0 mm Span	7750	MPa	ASTM D790
50.0 mm Span	8000	MPa	ISO 178
Flexural Strength			
50.0 mm Span	193	MPa	ASTM D790
-- ⁴	200	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
23°C	210	J/m	ASTM D256
23°C	20	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.40 mm)	200	°C	ASTM D648, ISO 75-2/Af

Flammability	Nominal Value	Test Method
Flame Rating		UL 94
1.60 mm	HB	
3.20 mm	HB	
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		
1.	23°C	
2.	5.0 mm/min	
3.	5.0 mm/min	
4.	50 mm span	

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