

Sunny® PA66 EN400

Polyamide 66

Guangdong Shunde Shunyan New Material Co., Ltd.

Message:

EP Super-tough Polyamide 66

General Information			
Features	Ultra High Toughness		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity			
-- ¹	1.02	g/cm ³	ASTM D792
23°C	1.02	g/cm ³	ISO 1183
Molding Shrinkage			
Flow : 23°C	1.5 to 2.0	%	ASTM D955
23°C	1.5 to 2.0	%	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	45.0	MPa	ASTM D638
--	45.0	MPa	ISO 527-2/5
Tensile Elongation			
Break ³	380	%	ASTM D638
Break	400	%	ISO 527-2/5
Flexural Modulus			
50.0 mm Span	725	MPa	ASTM D790
50.0 mm Span	750	MPa	ISO 178
Flexural Strength			
50.0 mm Span	43.0	MPa	ASTM D790
-- ⁴	45.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
23°C	680	J/m	ASTM D256
23°C	64	kJ/m ²	ISO 180/1A
Flammability	Nominal Value	Test Method	
Flame Rating		UL 94	
1.60 mm	HB		

3.20 mm	HB	
Injection	Nominal Value	Unit
Drying Temperature	105 to 110	°C
Drying Time	3.0 to 4.0	hr
Rear Temperature	275	°C
Middle Temperature	265	°C
Front Temperature	255	°C
Processing (Melt) Temp	265	°C
Mold Temperature	80.0	°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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