

Sunny® PBT EB200

Polybutylene Terephthalate

Guangdong Shunde Shunyan New Material Co., Ltd.

Message:

EP flame retardant polybutylene terephthalate

General Information			
Features	Flame Retardant		
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	1.3 to 1.8	%	ASTM D955
23°C	1.3 to 1.8	%	ISO 294-4
Water Absorption			
Equilibrium, 23°C	0.080	%	ASTM D570
Equilibrium, 23°C, 50% RH	0.080	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
-- ²	46.0	MPa	ASTM D638
--	46.0	MPa	ISO 527-2/5
Tensile Elongation			
Break ³	19	%	ASTM D638
Break	20	%	ISO 527-2/5
Flexural Modulus			
50.0 mm Span	1750	MPa	ASTM D790
-- ⁴	1800	MPa	ISO 178
Flexural Strength			
50.0 mm Span	58.0	MPa	ASTM D790
-- ⁵	60.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
23°C	64	J/m	ASTM D256
23°C ⁶	6.0	kJ/m ²	ISO 180/1A
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	105 to 115	°C
Drying Time	4.0 to 6.0	hr
Rear Temperature	240	°C
Middle Temperature	235	°C
Front Temperature	220	°C
Processing (Melt) Temp	240	°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. | 2.0 mm/min |
| 5. | 2.0 mm/min |
| 6. | 3.2mm |

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