

HONES® PBT GF20

Polybutylene Terephthalate

Guangdong Shunde Hones Polymer Material Co., Ltd.

Message:

Technology characteristics: 20% Glass fiber reinforced, heat-resistant

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Features	Medium Heat Resistance		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.60	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.40 to 0.80	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.070	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	92.0	MPa	ASTM D638
Tensile Elongation (Break)	4.0	%	ASTM D638
Flexural Modulus	6000	MPa	ASTM D790
Flexural Strength	160	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	8.0	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength	40	kJ/m ²	ISO 179
Unnotched Izod Impact (3.20 mm)	70	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	200	°C	ASTM D648
CLTE - Flow (-30 to 30°C)	3.5E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+16	ohms · cm	ASTM D257
Dielectric Constant (1 MHz)	3.50		ASTM D150
Flammability	Nominal Value	Unit	Test Method
Flame Rating (3.20 mm)	V-0		UL 94

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Recommended distributors for this material

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