

HONES® PBT F0

Polybutylene Terephthalate

Guangdong Shunde Hones Polymer Material Co., Ltd.

Message:

Technology characteristics: Good fluidity, Impact resistance

General Information			
Features	Good Flow		
	Good Impact Resistance		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.48	g/cm ³	ASTM D792
Molding Shrinkage - Flow	1.4 to 2.0	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.10	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	50.0	MPa	ASTM D638
Flexural Modulus	2200	MPa	ASTM D790
Flexural Strength	85.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	4.0	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength	40	kJ/m ²	ISO 179
Unnotched Izod Impact (3.20 mm)	30	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	55.0	°C	ASTM D648
CLTE - Flow (-30 to 30°C)	8.0E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+16	ohms·cm	ASTM D257
Dielectric Strength (2.00 mm)	19	kV/mm	ASTM D149
Dielectric Constant (1 MHz)	3.00		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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