

Product Description

20% Glass Bead, Polybutylene Terephthalate

General Considerations

Resin ID (ISO 1043)	• PBT
Processing	• Injection Molding
Color	• Black

Physical	Value	Unit	Method
Density / Specific Gravity	1,43	g/cm ³	ASTM D1238
Mold Shrinkage	1,2 to 1,6	%	ASTM D 955
Melt Flow Rate (260°C / 2,16Kg)	34	g/10min	ASTM D1238

Mechanical	Value	Unit	Method
Tensile Stress	60	MPa	ASTM D 638
Tensile Strain	4,0	%	ASTM D 638
Tensile Modulus	3.300	MPa	ASTM D 638
Notched Charpy Impact		kJ/m ²	ASTM D 256
23°C	3,5		
Unnotched Charpy		kJ/m ²	ASTM D 256
23°C	25		

Thermal	Value	Unit	Method
Melting Point	225	°C	ASTM D 2117
Heat Deflection Temperature		°C	ASTM D 648
0,45 MPa	180		
1,80 MPa	75		

Process		Unit	Method
Molding Process Temperature	250 to 270	°C	--
Mold Temperature	70 to 90	°C	--
Drying	120/4	°C/Hours	--

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