

Product Description

Polybutylene Terephthalate

General Considerations

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

Physical	Value	Unit	Method
Density / Specific Gravity	1,31	g/cm ³	ASTM D 792
Mold Shrinkage		%	ASTM D 955
Parallel	1,5		
Normal	1,7		
Melt Mass-Flow Rate - 250 °C; 2,16 kg	30	g/10min	ASTM D 1238

Mechanical	Value	Unit	Method
Tensile Strength	50	MPa	ASTM D 638
Elongation at Break	15	%	ASTM D 638
Flexural Strength	70	MPa	ASTM D 790
Flexural Modulus	2000	MPa	ASTM D 790
Izod Notched Impact Strength		J/m	ASTM D 256
23°C	70		

Thermal	Value	Unit	Method
Melting Point	215 to 230	°C	--
Vicat Softening Temperature		°C	ASTM D 1525
10 N ; 120°C/h	216		

Process		Unit	Method
Molding Process Temperature	230 to 260	°C	--
Mold Temperature	70 to 90	°C	--
Drying	80-120/4-6	°C/Hours	--

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