

EMPBT® FR V0

Polybutylene Terephthalate

EMAS Plastik San.Tic.AS.

Message:

PBT V0 flammability

General Information			
Physical	Nominal Value	Unit	Test Method
Density	1.40 to 1.50	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)	4.0 to 14	g/10 min	ISO 1133
Molding Shrinkage	0.80 to 0.90	%	
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	70 to 80		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3000 to 5000	MPa	ISO 527-2
Tensile Stress (Yield)	30.0 to 50.0	MPa	ISO 527-2
Tensile Strain (Break)	> 4.0	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	> 4.0	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	145	°C	ISO 75-2/A
Vicat Softening Temperature	150	°C	ISO 306/B
Melting Temperature (DSC)	230	°C	ISO 3146
Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-0		UL 94
Glow Wire Ignition Temperature	960	°C	VDE 0471/2

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