

TYNEP® P3050

Polybutylene Terephthalate

Tyne Plastics LLC.

Message:

TYNEP® P3050 is a Polybutylene Terephthalate (PBT) material. It is available in North America.

General Information			
Features	Medium Flow		
Appearance	Natural Color		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.10	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.50 to 0.70	%	ASTM D955
Water Absorption (24 hr)	0.20	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	52.4	MPa	ASTM D638
Tensile Elongation (Yield)	200	%	ASTM D638
Flexural Modulus	2280	MPa	ASTM D790
Flexural Strength	82.7	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm)	53	J/m	ASTM D256
Unnotched Izod Impact (3.18 mm)	3200	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	51.7	°C	
1.8 MPa, Unannealed	160	°C	
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	3.0E+16	ohms · cm	ASTM D257
Dielectric Strength (1.57 mm, in Air)	23	kV/mm	ASTM D149
Dielectric Constant (1 MHz)	3.00		ASTM D150
Dissipation Factor (1 MHz)	0.020		ASTM D150

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Recommended distributors for this material

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