

OmniTech™ PBT 150

Polybutylene Terephthalate

OMNI Plastics, LLC

Message:

General Purpose PBT

General Information			
Features	General Purpose		
Uses	General Purpose		
UL File Number	E138590		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.31	g/cm ³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	57.2	MPa	ASTM D638
Tensile Elongation (Break)	200	%	ASTM D638
Flexural Modulus	2380	MPa	ASTM D790
Flexural Strength	80.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	37	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 3.18 mm	150	°C	
1.8 MPa, Unannealed, 3.18 mm	51.1	°C	
Flammability	Nominal Value		Test Method
Flame Rating (1.50 mm)	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	104	°C	
Drying Time	3.0 to 6.0	hr	
Suggested Max Moisture	0.020	%	
Rear Temperature	249 to 271	°C	
Middle Temperature	249 to 277	°C	
Front Temperature	249 to 277	°C	
Nozzle Temperature	249 to 277	°C	
Processing (Melt) Temp	249 to 271	°C	
Mold Temperature	26.7 to 82.2	°C	
Back Pressure	0.345 to 0.689	MPa	

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