

OmniTech™ PBT IM15N

Polybutylene Terephthalate

OMNI Plastics, LLC

Message:

Highly Impact Resistant, Nucleated, PBT

General Information			
Features	High Impact Resistance		
	Nucleated		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.26	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	8.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	42.7	MPa	ASTM D638
Tensile Elongation (Break)	60	%	ASTM D638
Flexural Modulus	1900	MPa	ASTM D790
Flexural Strength	64.8	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	640	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.18 mm)	53.9	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating (3.18 mm)	HB		Internal Method
Injection	Nominal Value	Unit	
Drying Temperature	121	°C	
Drying Time	2.0 to 4.0	hr	
Suggested Max Moisture	0.020	%	
Rear Temperature	232 to 260	°C	
Middle Temperature	243 to 266	°C	
Front Temperature	243 to 266	°C	
Nozzle Temperature	243 to 266	°C	
Processing (Melt) Temp	241 to 260	°C	
Mold Temperature	29.4 to 121	°C	

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