

# OmniTech™ PBT 357

Polybutylene Terephthalate

OMNI Plastics, LLC

Message:

OmniTech™ PBT 357 is a Polybutylene Terephthalate (PBT) product. It can be processed by injection molding and is available in North America.

Characteristics include:

Flame Rated

Impact Modified

General Information			
UL YellowCard	E138590-461972		
Additive	Impact Modifier		
Features	Ignition Resistant		
	Impact Modified		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (250°C/5.0 kg)	1.3	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	47.0	MPa	ASTM D638
Tensile Elongation (Break)	100	%	ASTM D638
Flexural Modulus	2070	MPa	ASTM D790
Flexural Strength (Break)	83.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	530	J/m	ASTM D256
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.52 mm	V-0		
	V-0		
3.18 mm	5VB		
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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#### Recommended distributors for this material

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