

OmniTech™ PBT 357FR

Polybutylene Terephthalate Alloy

OMNI Plastics, LLC

Message:

Flame Resistant, Impact Modified, PBT Alloy

General Information			
Additive	Impact Modifier		
Features	Flame Retardant		
	Impact Modified		
UL File Number	E138590		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.30	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	18	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	46.9	MPa	ASTM D638
Tensile Elongation (Break)	< 10	%	ASTM D638
Flexural Modulus	2070	MPa	ASTM D790
Flexural Strength	82.7	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	320	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.18 mm)	73.9	°C	ASTM D648
Flammability	Nominal Value	Test Method	
Flame Rating			UL 94
1.50 mm	V-0		
	V-0		
3.00 mm	5VB		
Injection	Nominal Value	Unit	
Drying Temperature	116	°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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