

OmniTech™ PBT TF23 PG

Polybutylene Terephthalate

OMNI Plastics, LLC

Message:

OmniTech™ PBT TF23 PG is a Polybutylene Terephthalate (PBT) product filled with 23% talc. It can be processed by injection molding and is available in North America.

General Information			
Filler / Reinforcement	Talc,23% Filler by Weight		
Features	Platable		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.48	g/cm ³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break, 23°C)	59.0	MPa	ASTM D638
Tensile Elongation (Break)	15	%	ASTM D638
Flexural Modulus	4140	MPa	ASTM D790
Flexural Strength (Break)	1020	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	27	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	188	°C	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature	116	°C	
Drying Time	3.0 to 4.0	hr	
Suggested Max Moisture	0.020	%	
Rear Temperature	238 to 260	°C	
Middle Temperature	238 to 260	°C	
Front Temperature	249 to 260	°C	
Nozzle Temperature	249 to 266	°C	
Processing (Melt) Temp	238 to 260	°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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