

RTP 1103 M 15 BLK

Polyethylene Terephthalate

RTP Company

Message:

20% Glass Fiber - 15% Mineral

General Information			
Filler / Reinforcement		Glass fiber reinforced material, 20% filler by weight Mineral filler, 15% filler by weight	
RoHS Compliance		Contact manufacturer	
Processing Method		Injection molding	
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.60	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.10 - 0.30	%	ASTM D955
Moisture Content	0.010	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	12400	MPa	ASTM D638
Tensile Strength	138	MPa	ASTM D638
Tensile Elongation (Yield)	3.0 - 5.0	%	ASTM D638
Flexural Modulus	11000	MPa	ASTM D790
Flexural Strength	200	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	64	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	430	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	204	°C	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature	121	°C	
Drying Time	4.0	hr	
Dew Point	-40.0	°C	
Processing (Melt) Temp	277 - 288	°C	
Mold Temperature	98.9 - 121	°C	
Injection Pressure	55.2 - 82.7	MPa	
Injection instructions			
Desiccant Type Dryer Required.			

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