

RTP 1383 D TFE 20

Polyphenylene Sulfide

RTP Company

Message:

Carbon Fiber Reinforced - PTFE Lubricated - Wear Resistant

General Information			
Filler / Reinforcement	Carbon fiber reinforced material, 20% filler by weight		
Additive	PTFE lubricant (20%)		
Features	Good wear resistance		
	Lubrication		
RoHS Compliance	Contact manufacturer		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.53	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.10	%	ASTM D955
Moisture Content	0.040	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	17200	MPa	ASTM D638
Tensile Strength	159	MPa	ASTM D638
Tensile Elongation (Yield)	1.5	%	ASTM D638
Flexural Modulus	15900	MPa	ASTM D790
Flexural Strength	214	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	53	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	320	J/m	ASTM D4812
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	< 1.0E+3	ohms · cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.5 mm, ** Values per RTP Company testing.)	V-0		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	149	°C	
Drying Time	6.0	hr	
Processing (Melt) Temp	307 - 329	°C	
Mold Temperature	135 - 177	°C	
Injection Pressure	68.9 - 103	MPa	

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