

RTP 2200 HF TFE 5

Polyetheretherketone

RTP Company

Message:

PTFE Lubricated - High Flow

General Information			
Additive	PTFE lubricant (5%)		
Features	High liquidity		
	Lubrication		
RoHS Compliance	Contact manufacturer		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.32	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	1.0	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.15	%	ASTM D570
Moisture Content	0.10	%	
Primary Additive	5.0	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4140	MPa	ASTM D638
Tensile Strength	89.6	MPa	ASTM D638
Tensile Elongation (Yield)	9.0	%	ASTM D638
Flexural Modulus	3450	MPa	ASTM D790
Flexural Strength	121	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)	800	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	171	°C	ASTM D648
CLTE - Flow	5.4E-5	cm/cm/°C	ASTM E831
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength ¹ (in Oil)	16	kV/mm	ASTM D149
Dielectric Constant (1 MHz)	3.50		ASTM D150
Dissipation Factor (1 MHz)	4.0E-3		ASTM D150
Arc Resistance	40.0	sec	ASTM D495
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.50 mm, ** Values per RTP Company testing.)	V-0		UL 94
Injection	Nominal Value	Unit	

Drying Temperature	149	°C
Drying Time	3.0	hr
Dew Point	-28.9	°C
Processing (Melt) Temp	349 - 399	°C
Mold Temperature	163 - 218	°C
Injection Pressure	82.7 - 124	MPa

Injection instructions

Desiccant Type Dryer Required.

NOTE

1. Method A (short time)

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