

RTP 900 TFE 5

Polysulfone
RTP Company

Message:
PTFE Lubricated

General Information			
Additive	PTFE Lubricant (5%)		
Features	Lubricated		
RoHS Compliance	Contact Manufacturer		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.27	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.80	%	ASTM D955
Moisture Content	0.15	%	
Primary Additive	5.0	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2550	MPa	ASTM D638
Tensile Strength	65.5	MPa	ASTM D638
Tensile Elongation (Yield)	7.0 to 12	%	ASTM D638
Flexural Modulus	2410	MPa	ASTM D790
Flexural Strength	110	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)	1600	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	174	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating (1.50 mm, ** Values per RTP Company testing.)	V-1		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	135	°C	
Drying Time	4.0	hr	
Dew Point	-31.7	°C	
Processing (Melt) Temp	332 to 371	°C	
Mold Temperature	93.3 to 149	°C	
Injection Pressure	68.9 to 124	MPa	

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