

RTP 800 TFE 5 HB

Acetal (POM) Copolymer

RTP Company

Message:

PTFE Lubricated - UL94 HB

General Information			
UL YellowCard	E84658-251305		
Additive	PTFE lubricant (5%)		
Features	Lubrication		
RoHS Compliance	Contact manufacturer		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.43	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	2.5 - 3.5	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.20	%	ASTM D570
Moisture Content	0.15	%	
Primary Additive	5.0	%	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	107		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2480	MPa	ASTM D638
Tensile Strength	51.7	MPa	ASTM D638
Tensile Elongation (Yield)	> 10	%	ASTM D638
Flexural Modulus	2340	MPa	ASTM D790
Flexural Strength	75.8	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	69	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	640	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	152	°C	ASTM D648
1.8 MPa, not annealed	104	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	> 1.0E+15	ohms · cm	ASTM D257
Dielectric Strength ¹ (in Oil)	19	kV/mm	ASTM D149
Arc Resistance	180	sec	ASTM D495
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.50 mm)	HB		UL 94
Injection	Nominal Value	Unit	

Drying Temperature	121	°C
Drying Time	2.0	hr
Dew Point	-31.7	°C
Processing (Melt) Temp	182 - 218	°C
Mold Temperature	79.4 - 107	°C
Injection Pressure	68.9 - 103	MPa

Injection instructions

Desiccant Type Dryer Required.

NOTE

1. Method A (short time)

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