RTP 1000 TFE 20 HB

Polybutylene Terephthalate

RTP Company

Message:

PTFE Lubricated - UL94 HB

General Information			
UL YellowCard	E84658-251410		
Additive	PTFE lubricant (20%)		
Features	Lubrication		
RoHS Compliance	Contact manufacturer		
Processing Method	Injection molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.43	g/cm³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	2.0 - 2.5	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.080	%	ASTM D570
Moisture Content	0.030	%	
Primary Additive	20	%	
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	2410	MPa	ASTM D638
Tensile Strength	44.8	MPa	ASTM D638
Tensile Elongation (Yield)	> 10	%	ASTM D638
Flexural Modulus	2410	MPa	ASTM D790
Flexural Strength	75.8	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (3.20 mm)	43	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			ASTM D648
0.45 MPa, not annealed	146	°C	ASTM D648
1.8 MPa, not annealed	54.4	°C	ASTM D648
Electrical	**Nominal Value**	**Unit**	**Test Method**
Volume Resistivity	> 1.0E+16	ohms·cm	ASTM D257
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating (1.50 mm)	HB		UL 94
Injection	**Nominal Value**	**Unit**	
Drying Temperature	121	°C	
Drying Time	4.0	hr	
Dew Point	-28.9	°C	
Processing (Melt) Temp	238 - 271	°C	

Mold Temperature	79.4 - 107	°C
Injection Pressure	68.9 - 103	MPa

Injection instructions

Desiccant Type Dryer Required.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

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