

RTP 700 SI 2

High Density Polyethylene
RTP Company

Message:

Silicone Lubricated

General Information			
Additive	Silicone Lubricant (2%)		
Features	Lubricated		
RoHS Compliance	Contact Manufacturer		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.940	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	1.3 to 2.8	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1100	MPa	ASTM D638
Tensile Strength	19.3	MPa	ASTM D638
Tensile Elongation (Yield)	> 10	%	ASTM D638
Flexural Modulus	896	MPa	ASTM D790
Flexural Strength	20.7	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	91	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	1100	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	48.9	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating (1.50 mm, ** Values per RTP Company testing.)	HB		UL 94
Additional Information	Nominal Value	Unit	
Primary Additive	2.0	%	
Injection	Nominal Value	Unit	
Drying Temperature	79.4	°C	
Drying Time	2.0	hr	
Processing (Melt) Temp	193 to 232	°C	
Mold Temperature	21.1 to 65.6	°C	
Injection Pressure	68.9 to 103	MPa	

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