RTP 209 MS

Polyamide 66

RTP Company

Message:

Glass Fiber - Molybdenum Disulfide

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 50% filler by weight		
Additive	Molybdenum disulfide lubricant		
Features	Lubrication		
RoHS Compliance	Contact manufacturer		
Processing Method	Injection molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.65	g/cm³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.10 - 0.40	%	ASTM D955
Moisture Content	0.20	%	
Primary Additive	50	%	
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	17200	MPa	ASTM D638
Tensile Strength	193	MPa	ASTM D638
Tensile Elongation (Yield)	1.5 - 2.5	%	ASTM D638
Flexural Modulus	15500	MPa	ASTM D790
Flexural Strength	303	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (3.20 mm)	110	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	930	J/m	ASTM D4812
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (1.8 MPa, Unannealed)	249	°C	ASTM D648
Flammability	**Nominal Value**		**Test Method**
Flame Rating (1.50 mm, ** Values per RTP Company testing.)	HB		UL 94
Injection	**Nominal Value**	**Unit**	
Drying Temperature	79.4	°C	
Drying Time	4.0	hr	
Dew Point	-17.8	°C	
Processing (Melt) Temp	277 - 299	°C	
Mold Temperature	65.6 - 107	°C	
Injection Pressure	68.9 - 124	MPa	
Injection instructions			

Desiccant Type Dryer Required.

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Recommended distributors for this material

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