

# RTP 207 HS MS 2

Polyamide 66

RTP Company

Message:

Glass Fiber - Heat Stabilized - Molybdenum Disulfide

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 40% filler by weight		
Additive	Molybdenum disulfide lubricant (2%) heat stabilizer		
Features	Thermal Stability Lubrication		
RoHS Compliance	Contact manufacturer		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.49	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.10 - 0.40	%	ASTM D955
Moisture Content	0.20	%	
Primary Additive	40	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	12400	MPa	ASTM D638
Tensile Strength	200	MPa	ASTM D638
Tensile Elongation (Yield)	2.5 - 3.5	%	ASTM D638
Flexural Modulus	11700	MPa	ASTM D790
Flexural Strength	290	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	100	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	990	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	249	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+14 - 1.0E+16	ohms · cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.50 mm, ** Values per RTP Company testing.)	HB		UL 94
Injection	Nominal Value	Unit	Test Method
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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