

# RTP 200F HS MS 2

Polyamide 12

RTP Company

Message:

Warning: The status of this material is 'Commercial: Limited Issue'  
The data for this material has not been recently verified.  
Please contact RTP Company for current information prior to specifying this grade.  
-Preliminary Product Data per RTP Co.-

General Information			
Additive	Molybdenum disulfide lubricant (2%) heat stabilizer		
Features	Good wear resistance Thermal Stability Lubrication		
RoHS Compliance	Contact manufacturer		
Appearance	Black Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.03	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	1.4	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.23	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1590	MPa	ASTM D638
Tensile Strength	41.4	MPa	ASTM D638
Tensile Elongation (Break)	10	%	ASTM D638
Flexural Modulus	1590	MPa	ASTM D790
Flexural Strength	58.6	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm)	53	J/m	ASTM D256
Unnotched Izod Impact (3.18 mm)	1100	J/m	ASTM D4812
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+13	ohms · cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.59 mm, RTP Tested)	HB		UL 94
Additional Information			

Mold Shrinkage, Linear-Flow, ASTM D-955, 0.25in.: 18mil/in.Elongation at break, ASTM D638: 10+%

Injection	Nominal Value	Unit
Drying Temperature	79.4	°C
Drying Time	4.0	hr
Suggested Max Moisture	0.10	%
Suggested Max Regrind	20	%
Rear Temperature	221 - 254	°C
Middle Temperature	221 - 254	°C
Front Temperature	221 - 254	°C
Mold Temperature	37.8 - 65.6	°C
Injection Pressure	68.9 - 103	MPa

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#### Recommended distributors for this material

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