

RTP 205 TFE 15 MS 2

Polyamide 66
RTP Company

Technical Data

Product Description

Glass Fiber - PTFE Lubricated - Molybdenum Disulfide

General

Filler / Reinforcement	• Glass Fiber, 30% Filler by Weight	
Additive	• Molybdenum Disulfide Lubricant: 2%	• PTFE Lubricant: 15%
Features	• Lubricated	
RoHS Compliance	• Contact Manufacturer	
Processing Method	• Injection Molding	

Physical	Nominal Value Unit	Test Method
Density / Specific Gravity	1.52 g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.15 to 0.35 %	ASTM D955
Moisture Content	0.20 %	

Mechanical	Nominal Value Unit	Test Method
Tensile Modulus	8960 MPa	ASTM D638
Tensile Strength	145 MPa	ASTM D638
Tensile Elongation (Yield)	2.5 to 3.5 %	ASTM D638
Flexural Modulus	9170 MPa	ASTM D790
Flexural Strength	224 MPa	ASTM D790

Impact	Nominal Value Unit	Test Method
Notched Izod Impact (3.20 mm)	96 J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	880 J/m	ASTM D4812

Thermal	Nominal Value Unit	Test Method
Deflection Temperature Under Load 1.8 MPa, Unannealed	246 °C	ASTM D648

Electrical	Nominal Value Unit	Test Method
Volume Resistivity	> 1.0E+14 ohms-cm	ASTM D257

Flammability	Nominal Value Unit	Test Method
Flame Rating 1.5 mm, ** Values per RTP Company testing.	HB	UL 94

Additional Information	Nominal Value Unit
Primary Additive	30 %

Injection	Nominal Value Unit
Drying Temperature	79 °C
Drying Time	4.0 hr
Dew Point	-18 °C
Processing (Melt) Temp	277 to 299 °C
Mold Temperature	66 to 107 °C
Injection Pressure	68.9 to 124 MPa

Injection Notes

Desiccant Type Dryer Required.

Notes

¹ Typical properties: these are not to be construed as specifications.