

# RTP 299 H X 101893

Polyamide 66

RTP Company

## Technical Data

### Product Description

Perfluoropolyether Oil

### General

Additive	• Perfluoropolyether Oil Lubricant
Features	• Lubricated
RoHS Compliance	• Contact Manufacturer
Processing Method	• Injection Molding

### Physical

	Nominal Value Unit	Test Method
Specific Gravity	1.08 g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	1.2 to 2.0 %	ASTM D955
Moisture Content	0.20 %	

### Mechanical

	Nominal Value Unit	Test Method
Tensile Modulus	2070 MPa	ASTM D638
Tensile Strength	48.3 MPa	ASTM D638
Tensile Elongation (Yield)	> 10 %	ASTM D638
Flexural Modulus	1930 MPa	ASTM D790
Flexural Strength	65.5 MPa	ASTM D790

### Impact

	Nominal Value Unit	Test Method
Notched Izod Impact (3.20 mm)	930 J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	1900 J/m	ASTM D256

### Thermal

	Nominal Value Unit	Test Method
Deflection Temperature Under Load 1.8 MPa, Unannealed	71.1 °C	ASTM D648

### Electrical

	Nominal Value Unit	Test Method
Surface Resistivity <sup>3</sup>	> 1.0E+14 ohm	ASTM D257
Volume Resistivity	> 1.0E+14 ohm·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
Drying Temperature	79.4 °C
Drying Time	4.0 hr
Dew Point	-17.8 °C
Processing (Melt) Temp	277 to 299 °C
Mold Temperature	65.6 to 107 °C
Injection Pressure	68.9 to 124 MPa

### Injection Notes

Desiccant Type Dryer Required.