

RTP 1404 N L

Polyethersulfone

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.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 25% filler by weight		
Additive	Lubricant		
Features	Lubrication		
	Viscosity, High		
RoHS Compliance	Contact manufacturer		
Appearance	Black		
	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.54	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm, Injection Molded)	0.20	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.35	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (Injection Molded)	8270	MPa	ASTM D638
Tensile Strength	138	MPa	ASTM D638
Tensile Elongation (Yield, Injection Molded)	2.8	%	ASTM D638
Flexural Modulus (Injection Molded)	7580	MPa	ASTM D790
Flexural Strength (Injection Molded)	200	MPa	ASTM D790
Compressive Strength	141	MPa	ASTM D695
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm, Injection Molded)	85	J/m	ASTM D256
Unnotched Izod Impact (3.18 mm)	690	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, Injection Molded)	214	°C	ASTM D648
CLTE - Flow	3.1E-5	cm/cm/°C	ASTM D696
Flammability	Nominal Value		Test Method

Flame Rating (1.50 mm)	V-0	UL 94
Additional Information		
The value listed as Flammibility, UL 94, was tested in accordance with RTP Company methods.		
Injection	Nominal Value	Unit
Rear Temperature	343 - 366	°C
Middle Temperature	343 - 366	°C
Front Temperature	343 - 366	°C
Mold Temperature	135 - 177	°C
Injection Pressure	69.0 - 103	MPa

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Recommended distributors for this material

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