

RTP 4000 A-1230 L

Polyphthalamide

RTP Company

Message:

Mineral - Lubricated

General Information			
Filler / Reinforcement	Mineral filler		
Additive	Lubricant		
Features	Lubrication		
RoHS Compliance	Contact manufacturer		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.45	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	1.1	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.12	%	ASTM D570
Moisture Content	0.050	%	
Primary Additive	30	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	6890	MPa	ASTM D638
Tensile Strength	104	MPa	ASTM D638
Tensile Elongation (Yield)	1.6	%	ASTM D638
Flexural Modulus	6210	MPa	ASTM D790
Flexural Strength	200	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	43	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	640	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	279	°C	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature	107	°C	
Drying Time	4.0 - 6.0	hr	
Dew Point	-31.7	°C	
Processing (Melt) Temp	302 - 329	°C	
Mold Temperature	135 - 149	°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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