

Rhelon X2000-00

Polyamide 66
RheTech, Inc.

Message:

Rhelon X2000-00 is a Polyamide 66 (Nylon 66) product. It can be processed by injection molding and is available in North America.

General Information			
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.13	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (275°C/0.325 kg)	25	g/10 min	ASTM D1238
Molding Shrinkage - Flow	1.4 to 1.8	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	115		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	79.3	MPa	ASTM D638
Tensile Elongation			ASTM D638
Yield	5.0	%	
Break	50	%	
Flexural Modulus	2900	MPa	ASTM D790
Flexural Strength	103	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	53	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	243	°C	
1.8 MPa, Unannealed	77.2	°C	
Peak Melting Temperature	257	°C	ASTM D789
Injection	Nominal Value	Unit	
Drying Temperature	79.4	°C	
Suggested Max Moisture	0.20	%	
Suggested Max Regrind	25	%	
Rear Temperature	246 to 257	°C	
Middle Temperature	263 to 274	°C	
Front Temperature	268 to 282	°C	
Nozzle Temperature	268 to 282	°C	
Processing (Melt) Temp	263 to 282	°C	

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