

# Rhelon G2043-00

Polyamide 66  
RheTech, Inc.

Message:

Rhelon G2043-00 is a Polyamide 66 (Nylon 66) product filled with 43% glass fiber. It can be processed by injection molding and is available in North America.

General Information			
Filler / Reinforcement	Glass Fiber,43% Filler by Weight		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.52	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	0.12 to 0.30	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	202	MPa	ASTM D638
Tensile Elongation			ASTM D638
Yield	2.5	%	
Break	2.5	%	
Flexural Modulus	10700	MPa	ASTM D790
Flexural Strength	271	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	140	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	254	°C	ASTM D648
Peak Melting Temperature	257	°C	ASTM D789
CLTE - Flow	5.3E-6	cm/cm/°C	ASTM D696
Injection	Nominal Value	Unit	
Drying Temperature	79.4	°C	
Suggested Max Moisture	0.20	%	
Suggested Max Regrind	25	%	
Rear Temperature	280 to 285	°C	
Middle Temperature	280 to 285	°C	
Front Temperature	285 to 290	°C	
Nozzle Temperature	285 to 290	°C	
Processing (Melt) Temp	290 to 295	°C	

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Recommended distributors for this material

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