

Rhelon G2050H-01

Polyamide 66

RheTech, Inc.

Message:

Rhelon G2050H-01 is a Polyamide 66 (Nylon 66) product filled with 50% glass fiber. It can be processed by injection molding and is available in North America. Primary characteristic: heat stabilizer.

General Information			
Filler / Reinforcement	Glass Fiber,50% Filler by Weight		
Additive	Heat Stabilizer		
Features	Heat Stabilized		
Appearance	Black		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.56	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.12 to 0.30	%	ASTM D955
Water Absorption (24 hr)	0.60	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	224	MPa	ASTM D638
Tensile Elongation			ASTM D638
Yield	1.9	%	
Break	2.5	%	
Flexural Modulus	14500	MPa	ASTM D790
Flexural Strength	341	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	130	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	249	°C	
1.8 MPa, Unannealed	249	°C	
Peak Melting Temperature	254	°C	ASTM D789
Injection	Nominal Value	Unit	
Drying Temperature	79.4	°C	
Suggested Max Moisture	0.20	%	
Suggested Max Regrind	25	%	
Rear Temperature	250 to 270	°C	
Middle Temperature	270 to 290	°C	
Front Temperature	270 to 290	°C	
Nozzle Temperature	290 to 300	°C	
Processing (Melt) Temp	270 to 300	°C	

Mold Temperature	50.0 to 90.0	°C
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