

Rhelon F1725H-01

Polyamide 6
RheTech, Inc.

Message:

Rhelon F1725H-01 is a Polyamide 6 (Nylon 6) product filled with glass\mineral. It can be processed by injection molding and is available in North America. Primary characteristic: heat stabilizer.

General Information			
Filler / Reinforcement	Glass\Mineral		
Additive	Heat Stabilizer		
Features	Heat Stabilized		
Appearance	Black		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.28	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.80 to 0.90	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	86.9	MPa	ASTM D638
Tensile Elongation			ASTM D638
Yield	2.5	%	
Break	2.5	%	
Flexural Modulus	5520	MPa	ASTM D790
Flexural Strength	159	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	45	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	179	°C	ASTM D648
Peak Melting Temperature	216	°C	ASTM D789
Injection	Nominal Value	Unit	
Drying Temperature	79.4	°C	
Suggested Max Moisture	0.20	%	
Suggested Max Regrind	25	%	
Rear Temperature	218 to 235	°C	
Middle Temperature	246 to 257	°C	
Front Temperature	246 to 268	°C	
Nozzle Temperature	246 to 268	°C	
Processing (Melt) Temp	249 to 266	°C	

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