RIALGLASS H 07 H 20 G

Polypropylene Homopolymer

RIALTI Srl

Message:

Polypropylenehomopolymer 20% glass fiber reinforced, chemically coupled; thermal stabilization for use at process high temperatures.
Flowability specific for injection molding; high stiffness; good impact resistance features and thermal properties. Available in natural versions and colored as per sample.

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Features	Chemically Coupled Good Flow Good Impact Resistance Good Thermal Stability High Stiffness Homopolymer		
Appearance	Colors Available Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.04	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	7.0	g/10 min	ISO 1133
Molding Shrinkage			ISO 294-4
Across Flow	0.90	%	
Flow	0.40	%	
Ash Content	20	%	ISO 3451
Accelerated Oven Aging (150°C)	16.7	day	ISO 4577
Hardness	**Nominal Value**	**Unit**	**Test Method**
Shore Hardness (Shore D, 15 sec)	79		ISO 868
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (Break, 23°C)	70.0	MPa	ISO 527-2/20
Tensile Strain (Break, 23°C)	3.0	%	ISO 527-2/20
Flexural Modulus [1] (23°C)	4300	MPa	ISO 178
Flexural Stress (23°C)	105	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Unnotched Impact Strength (23°C)	40	kJ/m²	ISO 179/1eU
Notched Izod Impact Strength			ISO 180/1A

-40°C	6.5	kJ/m²	
-20°C	7.5	kJ/m²	
23°C	9.0	kJ/m²	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature (1.8 MPa, Unannealed)	140	°C	ISO 75-2/A
Vicat Softening Temperature	130	°C	ISO 306/B50
Ball Pressure Test (125°C)	Pass		IEC 335
Flammability	**Nominal Value**		**Test Method**
Flame Rating (1.50 mm)	HB		UL 94
Injection	**Nominal Value**	**Unit**	
Drying Temperature	80.0 to 90.0	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	210 to 240	°C	
Mold Temperature	50.0 to 70.0	°C	
Injection Rate	Fast		
NOTE			
1.	2.0 mm/min		

Recommended distributors for this material

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