E-RIALGLASS H 07 H 20 G

Polypropylene Homopolymer

RIALTI Srl

Message:

Polypropylene homopolymer 20% glass fiber reinforced, chemically coupled; heat stabilizes for prolonged.
Flowability specific for injection molding ; available only black versions.

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Additive	Heat Stabilizer		
Features	Chemically Coupled Heat Stabilized High Flow Homopolymer		
Appearance	Black		
Forms	Regrind		
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)	8.0	g/10 min	ISO 1133
Molding Shrinkage			ISO 294-4
Across Flow	1.1	%	
Flow	0.45	%	
Ash Content	20	%	ISO 3451
Accelerated Oven Aging (150°C)	1.4	month	ISO 4577
Hardness	**Nominal Value**	**Unit**	**Test Method**
Shore Hardness (Shore D, 15 sec)	78		ISO 868
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress			ISO 527-2/20
Yield, 23°C	62.0	MPa	
Break, 23°C	63.0	MPa	
Tensile Strain			ISO 527-2/20
Yield, 23°C	3.0	%	
Break, 23°C	3.5	%	
Flexural Modulus [1] (23°C)	3800	MPa	ISO 178
Flexural Stress (23°C)	90.0	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Unnotched Impact Strength			
23°C	35	kJ/m²	ISO 179/1eU

23°C	30	kJ/m²	ISO 179/1fU
Notched Izod Impact Strength			ISO 180/1A
-40°C	4.5	kJ/m²	
-20°C	5.0	kJ/m²	
23°C	7.5	kJ/m²	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature (1.8 MPa, Unannealed)	130	°C	ISO 75-2/A
Vicat Softening Temperature	120	°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	90.0	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	200 to 220	°C	
Mold Temperature	40.0 to 60.0	°C	
Injection Rate	Fast		
NOTE			
1.	2.0 mm/min		

Recommended distributors for this material

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