

E-RIALGLASS H 15 S 30 G

Polypropylene Homopolymer

RIALTI Srl

Message:

Polypropylene homopolymer obtained by selected industrial scraps recycling; 30% glass fiber reinforced, chemically coupled; thermal stabilization of process; good thermal and mechanical properties.
High flowability, specific for injection molding of complex particulars; available in black version.

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Features	Chemically Coupled		
	Good Thermal Stability		
	High Flow		
	Homopolymer		
Appearance	Black		
Forms	Regrind		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.25	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	12	g/10 min	ISO 1133
Molding Shrinkage			ISO 294-4
Across Flow	1.1	%	
Flow	0.30	%	
Ash Content	30	%	ISO 3451
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, 15 sec)	80		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2/20
Yield, 23°C	77.0	MPa	
Break, 23°C	77.0	MPa	
Tensile Strain (Break, 23°C)	2.5	%	ISO 527-2/20
Flexural Modulus ¹ (23°C)	5800	MPa	ISO 178
Flexural Stress (23°C)	110	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength (23°C)	30	kJ/m ²	ISO 179/1eU
Notched Izod Impact Strength			ISO 180/1A
-20°C	6.0	kJ/m ²	
23°C	8.0	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method

Heat Deflection Temperature (1.8 MPa, Unannealed)	142	°C	ISO 75-2/A
Vicat Softening Temperature	132	°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	190 to 230	°C	
Mold Temperature	40.0 to 60.0	°C	
Injection Rate	Fast		
NOTE			
1.	2.0 mm/min		

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