

RIALGLASS H 02 S 30 G

Polypropylene Homopolymer

RIALTI Srl

Message:

Polypropylene homopolymer 30% glass fiber reinforced, chemically coupled; thermal stabilization of process; good thermal and mechanical properties
Flowability specific for extrusion and injection molding; available in black version.

General Information	
Filler / Reinforcement	Glass Fiber,30% Filler by Weight
Features	Chemically Coupled
	Good Thermal Stability
	Homopolymer
Appearance	Black
Forms	Pellets
Processing Method	Extrusion
	Injection Molding

Physical	Nominal Value	Unit	Test Method
Density	1.12	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.8	g/10 min	ISO 1133
Molding Shrinkage			ISO 294-4
Across Flow	1.1	%	
Flow	0.35	%	
Ash Content	30	%	ISO 3451
Accelerated Oven Aging (150°C)	6.3	day	ISO 4577

Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, 15 sec)	81		ISO 868

Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break, 23°C)	78.0	MPa	ISO 527-2/20
Tensile Strain (Break, 23°C)	3.2	%	ISO 527-2/20
Flexural Modulus ¹ (23°C)	5800	MPa	ISO 178
Flexural Stress (23°C)	113	MPa	ISO 178

Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength (23°C)	40	kJ/m ²	ISO 179/1eU
Notched Izod Impact Strength			ISO 180/1A
-20°C	7.0	kJ/m ²	
23°C	9.5	kJ/m ²	

Thermal	Nominal Value	Unit	Test Method
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Heat Deflection Temperature (1.8 MPa, Unannealed)	140	°C	ISO 75-2/A
Vicat Softening Temperature	132	°C	ISO 306/B50
Ball Pressure Test	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	210 to 250	°C	
Mold Temperature	40.0 to 60.0	°C	
NOTE			
1.	2.0 mm/min		

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