

E-RIALGLASS H 07 H 30 G

Polypropylene Homopolymer
RIALTI Srl



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Technical Data

Product Description

Polypropylene homopolymer obtained by partial recycling of selected industrial scraps; 30% glass fiber chemically coupled; heat stabilized for prolonged exposure to high temperatures. Good mechanical properties

High flowability level, specific for injection molding; available in versions black colore.

General

Material Status	• Commercial: Active
Literature ¹	• Technical Datasheet (English)
Search for UL Yellow Card	• RIALTI Srl
Availability	• Europe
Filler / Reinforcement	• Glass Fiber Reinforcement, 30% Filler by Weight
Additive	• Heat Stabilizer
Features	• Chemically Coupled • High Flow • Heat Stabilized • Homopolymer
Appearance	• Black
Forms	• Regrind
Processing Method	• Injection Molding

Physical	Nominal Value Unit	Test Method
Density	1.13 g/cm ³	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	1.1 %	
Flow	0.30 %	
Ash Content	30 %	ISO 3451

Mechanical	Nominal Value Unit	Test Method
Tensile Stress (Break, 23°C)	80.0 MPa	ISO 527-2/20
Tensile Strain (Break, 23°C)	3.0 %	ISO 527-2/20
Flexural Modulus ³ (23°C)	5700 MPa	ISO 178
Flexural Strength (23°C)	105 MPa	ISO 178

Impact	Nominal Value Unit	Test Method
Charpy Unnotched Impact Strength (23°C)	34 kJ/m ²	ISO 179/1eU
Notched Izod Impact Strength		ISO 180/1A
-20°C	6.0 kJ/m ²	
23°C	8.5 kJ/m ²	

Hardness	Nominal Value Unit	Test Method
Shore Hardness (Shore D, 15 sec)	75	ISO 868

Thermal	Nominal Value Unit	Test Method
Heat Deflection Temperature		ISO 75-2/A
1.8 MPa, Unannealed	139 °C	
Vicat Softening Temperature	124 °C	ISO 306/B50
Ball Pressure Test (125°C)	Pass	IEC 335

Aging	Nominal Value Unit	Test Method
Accelerated Oven Aging (150°C)	1.4 month	ISO 4577

Flammability	Nominal Value Unit	Test Method
Flame Rating (1.50 mm)	HB	UL 94

Injection	Nominal Value Unit
Drying Temperature	80.0 °C
Drying Time	3.0 hr

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Injection	Nominal Value Unit
Processing (Melt) Temp	200 to 240 °C
Mold Temperature	40.0 to 60.0 °C
Injection Rate	Fast

Notes

¹ These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

² Typical properties: these are not to be construed as specifications.

³ 2.0 mm/min

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Where to Buy

Supplier

RIALTI Srl

, Italy

Telephone: +39 0331920724

Web: <http://www.rialti.it/eng/index.cfm>

Distributor

Please contact the supplier to find a distributor for E-RIALGLASS H 07 H 30 G



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