

E-RIALGLASS C 07 S 30 G

Polypropylene Copolymer

RIALTI Srl

Message:

Polypropylene elastomerized heterophasic copolymer, obtained of partial recycling ok industrial scraps, 30% glass fiber reinforced, chemically coupled; base thermal stabilization; high stiffness and impact resistance.

Flowability specific for injection molding; available in versions black

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Features	Chemically Coupled		
	Copolymer		
	Good Thermal Stability		
	High Impact Resistance		
	High Stiffness		
Appearance	Black		
Forms	Regrind		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.12	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	1.0	%	
Flow	0.25	%	
Ash Content	30	%	ISO 3451
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, 15 sec)	77		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2/20
Yield, 23°C	65.0	MPa	
Break, 23°C	64.0	MPa	
Tensile Strain			ISO 527-2/20
Yield, 23°C	2.7	%	
Break, 23°C	3.3	%	
Flexural Modulus ¹ (23°C)	5000	MPa	ISO 178
Flexural Stress (23°C)	95.0	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	6.0	kJ/m ²	
-20°C	8.0	kJ/m ²	
23°C	12	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	135	°C	ISO 75-2/A
Vicat Softening Temperature	110	°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	80.0 to 90.0	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	200 to 230	°C	
Mold Temperature	50.0 to 70.0	°C	
NOTE			
1.	2.0 mm/min		

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