

RIALGLASS H 07 S 25 GT

Polypropylene Homopolymer

RIALTI Srl

Message:

Polypropylene homopolymer 25% talc and glass fiber reinforced, chemically coupled; thermal stabilization of process.
Flowability specific for injection molding of complex particulars; good thermal and mechanical properties. Available natural, colored or in black versions.

General Information			
Filler / Reinforcement	Glass\Talc,25% Filler by Weight		
Features	Chemically Coupled		
	Good Thermal Stability		
	High Flow		
	Homopolymer		
Appearance	Black		
	Colors Available		
	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.08	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	5.0	g/10 min	ISO 1133
Molding Shrinkage			ISO 294-4
Across Flow	1.1	%	
Flow	0.65	%	
Ash Content	25	%	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 (Break, 23°C)	65.0	MPa	ISO 527-2/20
Tensile Strain (Break, 23°C)	3.0	%	ISO 527-2/20
Flexural Modulus ¹ (23°C)	4500	MPa	ISO 178
Flexural Stress (23°C)	97.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength (23°C)	35	kJ/m ²	ISO 179/1eU
Notched Izod Impact Strength			ISO 180/1A
-20°C	5.5	kJ/m ²	
23°C	8.0	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method

Heat Deflection Temperature (1.8 MPa, Unannealed)	140	°C	ISO 75-2/A
Vicat Softening Temperature	130	°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 to 100	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	200 to 220	°C	
Mold Temperature	50.0 to 60.0	°C	
Injection Rate	Fast		
NOTE			
1.	2.0 mm/min		

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