RIALGLASS C 07 S 30 G

Polypropylene Copolymer

RIALTI Srl

Message:

Polypropylene elastomerized heterphasic copolymer 30% glass fiber reinforced; base thermal stabilization; good stiffness and thermal properties; wide impact strength interval, up to -40°C.
Flowability specific for injection molding; available in versions natural and colored as per sample.

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Features	Copolymer Good Impact Resistance Good Stiffness Good Thermal Stability		
Appearance	Colors Available Natural Color		
Forms	Pellets		
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	0.95	%	
Flow	0.25	%	
Ash Content	30	%	ISO 3451
Hardness	**Nominal Value**	**Unit**	**Test Method**
Shore Hardness (Shore D, 15 sec)	75		ISO 868
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress			ISO 527-2/20
Yield, 23°C	61.0	MPa	
Break, 23°C	60.0	MPa	
Tensile Strain			ISO 527-2/20
Yield, 23°C	3.0	%	
Break, 23°C	5.0	%	
Flexural Modulus [1] (23°C)	4800	MPa	ISO 178
Flexural Stress (23°C)	92.0	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Unnotched Impact Strength (23°C)	45	kJ/m²	ISO 179/1eU

Notched Izod Impact Strength			ISO 180/1A
-40°C	7.0	kJ/m²	
-20°C	9.0	kJ/m²	
23°C	17	kJ/m²	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature (1.8 MPa, Unannealed)	135	°C	ISO 75-2/A
Vicat Softening Temperature	103	°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	
Injection Rate	Fast		
NOTE			
1.	2.0 mm/min		

Recommended distributors for this material

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