RIALGLASS H 15 S 30 G

Polypropylene Homopolymer

RIALTI Srl

Message:

PP homopolymer obtained by recycling of industrial scraps, 20% selected talc reinforced; additivated in order to improve the spindle flow and facilitate the detachment from the mold.
High flowability specific for injection molding of complex particulars; available in black and colored red as per sample.

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Features	Chemically Coupled Good Thermal Stability High Flow High Rigidity Homopolymer		
Appearance	Black Red		
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)	1.0	g/10 min	ISO 1133
Molding Shrinkage			ISO 294-4
Across Flow	0.80	%	
Flow	0.30	%	
Ash Content	30	%	ISO 3451
Hardness	**Nominal Value**	**Unit**	**Test Method**
Shore Hardness (Shore D, 15 sec)	85		ISO 868
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (Break, 23°C)	81.0	MPa	ISO 527-2/20
Tensile Strain (Break, 23°C)	4.0	%	ISO 527-2/20
Flexural Modulus [1] (23°C)	6200	MPa	ISO 178
Flexural Stress (23°C)	125	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
-20°C	7.5	kJ/m²	
23°C	9.0	kJ/m²	

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	150	°C	ISO 75-2/A
Vicat Softening Temperature	135	°C	ISO 306/B50
Ball Pressure Test (125°C)	Pass		IEC 335
Flammability	**Nominal Value**		**Test Method**
Flame Rating (3.00 mm)	HB		UL 94
Injection	**Nominal Value**	**Unit**	
Drying Temperature	90.0 to 100	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	210 to 240	°C	
Mold Temperature	50.0 to 70.0	°C	
Injection Rate	Fast		
NOTE			
1.	2.0 mm/min		

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

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