

RIALFILL B 15 SA 28 TC

Polypropylene

RIALTI Srl

Message:

Polypropylene compound 28% filled with lamellar talc and calcium carbonate; additive in order to forestall the superficial acculation of electrostatic charge.

Correct balance between stiffness and toughness; specific product for injection molding of high aesthetic particulars for domestic furniture; available in the versions natural and colored as per sample.

General Information			
Filler / Reinforcement	Talc\Calcium Carbonate,28% Filler by Weight		
Features	Good Stiffness		
	Good Toughness		
	Pleasing Surface Appearance		
Uses	Furniture		
Appearance	Colors Available		
	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.10	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	20	g/10 min	ISO 1133
Molding Shrinkage			ISO 294-4
Across Flow	1.1	%	
Flow	1.1	%	
Ash Content	28	%	ISO 3451
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, 15 sec)	72		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2/20
Yield, 23°C	25.0	MPa	
Break, 23°C	20.0	MPa	
Tensile Strain			ISO 527-2/20
Yield, 23°C	8.0	%	
Break, 23°C	50	%	
Flexural Modulus ¹ (23°C)	2200	MPa	ISO 178
Flexural Stress (23°C)	36.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method

Charpy Unnotched Impact Strength (23°C)	45	kJ/m ²	ISO 179/1eU
Notched Izod Impact Strength			ISO 180/1A
-20°C	2.5	kJ/m ²	
23°C	4.5	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	60.0	°C	ISO 75-2/A
Vicat Softening Temperature	83.0	°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	190 to 210	°C	
Mold Temperature	40.0 to 50.0	°C	
Injection Rate	Moderate		
NOTE			
1.	2.0 mm/min		

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