

E-RIALFILL B 15 40 C

Polypropylene

RIALTI Srl

Message:

Polypropylene compound obtained by total recycling of industrial scrap, filled with calcium carbonate.
High flowability rating, for injection molding of articles of medium-big dimensions.
Available in the color version black and colored as per sample.

General Information			
Filler / Reinforcement	Calcium Carbonate		
Features	High Flow		
Uses	Thick-walled Parts		
Appearance	Black		
	Colors Available		
Forms	Regrind		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.25	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	13	g/10 min	ISO 1133
Molding Shrinkage			ISO 294-4
Across Flow	1.1	%	
Flow	1.1	%	
Water Absorption ¹ (23°C, 24 hr)	0.020	%	ISO 62
Ash Content	41	%	ISO 3451
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, 15 sec)	71		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2/20
Yield, 23°C	22.0	MPa	
Break, 23°C	14.0	MPa	
Tensile Strain			ISO 527-2/20
Yield, 23°C	6.0	%	
Break, 23°C	60	%	
Flexural Modulus ² (23°C)	1900	MPa	ISO 178
Flexural Stress (23°C)	27.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength (23°C)	33	kJ/m²	ISO 179/1eU
Notched Izod Impact Strength (23°C)	2.3	kJ/m²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method

Heat Deflection Temperature (1.8 MPa, Unannealed)	50.0	°C	ISO 75-2/A
Vicat Softening Temperature	72.0	°C	ISO 306/B50
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	180 to 200	°C	
Mold Temperature	40.0 to 50.0	°C	
Injection Rate	Moderate		
NOTE			
1.	50%RH		
2.	2.0 mm/min		

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