

RIALBATCH C 15 70 B2

Polypropylene Copolymer

RIALTI Srl

Message:

Polypropylene compound copolymer at high content of barium sulphate (barytes) natural, indicated for injection molding. High specific gravity and sound absorbent; good impact strength and dimensional shrinkage extremely contained. Available in versions natural and colored as per sample.

General Information			
Filler / Reinforcement	Barium Sulfate		
Features	Copolymer		
	Good Impact Resistance		
	High Specific Gravity		
	Low Shrinkage		
	Sound Damping		
Appearance	Colors Available		
	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	2.02	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	15	g/10 min	ISO 1133
Molding Shrinkage			ISO 294-4
Across Flow	0.60	%	
Flow	0.60	%	
Ash Content	70	%	ISO 3451
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, 15 sec)	70		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2/20
Yield, 23°C	11.0	MPa	
Break, 23°C	11.0	MPa	
Tensile Strain			ISO 527-2/20
Yield, 23°C	2.0	%	
Break, 23°C	2.0	%	
Flexural Modulus ¹ (23°C)	2400	MPa	ISO 178
Flexural Stress (23°C)	19.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method

Charpy Unnotched Impact Strength (23°C)	80	kJ/m ²	ISO 179/1eU
Notched Izod Impact Strength (23°C)	10	kJ/m ²	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	65.0	°C	ISO 306/B50
Flammability	Nominal Value	Unit	Test Method
Flame Rating (3.00 mm)	HB		UL 94
Glow Wire Flammability Index (2.00 mm)	750	°C	IEC 60695-2-12
Injection	Nominal Value	Unit	
Drying Temperature	100	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	230 to 250	°C	
Mold Temperature	50.0 to 60.0	°C	
Injection Rate	Fast		
NOTE			
1.	2.0 mm/min		

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