

RIALBATCH H 02 SD 70 B

Polypropylene Homopolymer

RIALTI Srl

Message:

Polypropylene compound homopolymer at high content of barium sulphate (barytes) natural.
Available in versions natural and colored as per sample.

General Information			
Filler / Reinforcement	Barium Sulfate		
Features	Homopolymer		
Appearance	Colors Available		
	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	2.00	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.0	g/10 min	ISO 1133
Ash Content	70	%	ISO 3451
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, 15 sec)	79		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2/20
Yield, 23°C	15.0	MPa	
Break, 23°C	15.0	MPa	
Tensile Strain (Yield, 23°C)	3.0	%	ISO 527-2/20
Flexural Modulus ¹ (23°C)	3700	MPa	ISO 178
Flexural Stress (23°C)	33.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength (23°C)	30	kJ/m ²	ISO 179/1eU
Notched Izod Impact Strength			ISO 180/1A
-20°C	2.5	kJ/m ²	
23°C	3.5	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	65.0	°C	ISO 75-2/A
Vicat Softening Temperature	94.0	°C	ISO 306/B50
Flammability	Nominal Value		Test Method
Flame Rating (3.00 mm)	HB		UL 94
Injection	Nominal Value	Unit	

Drying Temperature	90.0	°C
Drying Time	3.0	hr
Processing (Melt) Temp	230 to 250	°C
Mold Temperature	50.0 to 60.0	°C
NOTE		
1.	2.0 mm/min	

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