

RIALBATCH H 15 65 C

Polypropylene Homopolymer

RIALTI Srl

Message:

Polypropylene compound filled with 65% calcium carbonate.
Application suggested as a masterbatch in furnishing.
Available in the versions natural and colored as per sample.

General Information			
Filler / Reinforcement	Calcium Carbonate,65% Filler by Weight		
Features	Homopolymer		
Uses	Masterbatch		
Appearance	Colors Available		
	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.60	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	16	g/10 min	ISO 1133
Molding Shrinkage			ISO 294-4
Across Flow	0.75	%	
Flow	0.75	%	
Ash Content	65	%	ISO 3451
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, 15 sec)	78		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, 23°C)	13.0	MPa	ISO 527-2/20
Tensile Strain (Yield, 23°C)	2.0	%	ISO 527-2/20
Flexural Modulus ¹ (23°C)	4500	MPa	ISO 178
Flexural Stress (23°C)	23.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength (23°C)	15	kJ/m²	ISO 179/1eU
Notched Izod Impact Strength (23°C)	2.0	kJ/m²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	64.0	°C	ISO 75-2/A
Vicat Softening Temperature	102	°C	ISO 306/B50
Flammability	Nominal Value		Test Method
Flame Rating (3.00 mm)	HB		UL 94

Injection	Nominal Value	Unit
Drying Temperature	100	°C
Drying Time	3.0	hr
Processing (Melt) Temp	210 to 230	°C
Mold Temperature	50.0 to 60.0	°C
Injection Rate	Fast	

NOTE

1. 2.0 mm/min

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