

RIALBATCH H 02 S 60 TC

Polypropylene Homopolymer

RIALTI Srl

Message:

Homopolymeric compound with high content of mixed mineral fillers; heat stabilized.
Grade specific for extrusion. Highstiffness and thermo-stability; extremely contained dimensional shrinkage.
Available in the version natural and colored as per sample.

General Information			
Filler / Reinforcement	Mineral		
Additive	Heat Stabilizer		
Features	Good Dimensional Stability		
	Good Thermal Stability		
	Heat Stabilized		
	High Stiffness		
	Homopolymer		
Appearance	Colors Available		
	Natural Color		
Forms	Pellets		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	1.52	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.0	g/10 min	ISO 1133
Molding Shrinkage			ISO 294-4
Across Flow	0.80	%	
Flow	0.80	%	
Ash Content	60	%	ISO 3451
Ball Pressure Test (165°C)	Not Qualified		IEC 335
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	20.0	MPa	
Break, 23°C	18.0	MPa	
Tensile Strain			ISO 527-2/20
Yield, 23°C	1.5	%	
Break, 23°C	10	%	
Flexural Modulus ¹ (23°C)	4500	MPa	ISO 178

Flexural Stress (23°C)	33.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength (23°C)	35	kJ/m ²	ISO 179/1eU
Notched Izod Impact Strength (23°C)	2.3	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	72.0	°C	ISO 75-2/A
Vicat Softening Temperature	100	°C	ISO 306/B50
Ball Pressure Test (125°C)	Pass		IEC 335
Flammability	Nominal Value		Test Method
Flame Rating (1.60 mm)	HB		UL 94
Extrusion	Nominal Value	Unit	
Drying Temperature	100	°C	
Drying Time	3.0	hr	
Melt Temperature	220 to 250	°C	
Die Temperature	40.0 to 60.0	°C	
NOTE			
1.	2.0 mm/min		

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