

E-RIALFILL B 02 SD 25 TC

Polypropylene Homopolymer

RIALTI Srl

Message:

Polypropylene compound obtained by total recycling of industrial scrap, 25% mineral filler, thermal stabilization for molding process.
Good impact strength at ambient temperature, through maintaining thermal properties and stiffness properties of the homopolymer. Specific for profiles extrusion; available just in black color version.

General Information			
Filler / Reinforcement	Mineral,25% Filler by Weight		
Features	Good Impact Resistance		
	Good Stiffness		
	Good Thermal Stability		
	Homopolymer		
Uses	Profiles		
Appearance	Black		
Forms	Regrind		
Processing Method	Profile Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	1.09	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.5	g/10 min	ISO 1133
Ash Content	25	%	ISO 3451
Accelerated Oven Aging (150°C)	5.0	day	ISO 4577
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, 15 sec)	73		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2/20
Yield, 23°C	27.0	MPa	
Break, 23°C	24.0	MPa	
Tensile Strain			ISO 527-2/20
Yield, 23°C	5.0	%	
Break, 23°C	200	%	
Flexural Modulus ¹ (23°C)	2400	MPa	ISO 178
Flexural Stress (23°C)	42.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength (23°C)	50	kJ/m ²	ISO 179/1eU
Notched Izod Impact Strength			ISO 180/1A
-40°C	2.0	kJ/m ²	
-20°C	2.3	kJ/m ²	

23°C	4.5	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	87.0	°C	ISO 306/B50
Flammability	Nominal Value	Test Method	
Flame Rating (3.00 mm)	HB	UL 94	
Extrusion	Nominal Value	Unit	
Melt Temperature	200 to 220	°C	
NOTE			
1.	2.0 mm/min		

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