

E-RIALFILL H 15 H 40 T2

Polypropylene Homopolymer

RIALTI Srl

Message:

Poplypropylene compound, homopolymer obtained by complete recycling of ultra-selected industrial scraps, 40% filled with talc, stabilized for heat resistance and for use in applications of short perios at high temperatures.
Excellent thermal and mechanical characteristics with maintenance of dimensional stability (planarity) at high temperatures; available just in black version.

General Information			
Filler / Reinforcement	Talc,40% Filler by Weight		
Additive	Heat Stabilizer		
Features	Good Dimensional Stability		
	Good Thermal Stability		
	Heat Stabilized		
	Homopolymer		
Appearance	Black		
Forms	Regrind		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.26	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	20	g/10 min	ISO 1133
Molding Shrinkage			ISO 294-4
Across Flow	0.90	%	
Flow	0.90	%	
Water Absorption ¹ (23°C, 24 hr)	0.020	%	ISO 62
Ash Content	40	%	ISO 3451
Accelerated Oven Aging (150°C)	20.8	day	ISO 4577
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, 15 sec)	78		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2/20
Yield, 23°C	30.0	MPa	
Break, 23°C	27.0	MPa	
Tensile Strain			ISO 527-2/20
Yield, 23°C	4.0	%	
Break, 23°C	8.0	%	
Flexural Modulus ² (23°C)	4100	MPa	ISO 178
Flexural Stress (23°C)	44.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method

Charpy Unnotched Impact Strength (23°C)	18	kJ/m ²	ISO 179/1eU
Notched Izod Impact Strength			ISO 180/1A
-20°C	2.0	kJ/m ²	
23°C	2.5	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	128	°C	ISO 75-2/B
1.8 MPa, Unannealed	78.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	154	°C	ISO 306/A50
--	98.0	°C	ISO 306/B50
Ball Pressure Test (125°C)	Pass		IEC 335
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 240	°C	
Mold Temperature	50.0 to 60.0	°C	
Injection Rate	Fast		
NOTE			
1.	50%RH		
2.	2.0 mm/min		

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