

E-RIALFILL H 15 40 T2

Polypropylene Homopolymer

RIALTI Srl

Message:

PP homopolymer obtained by meticulous recycling of industrial scraps, 40% talc filled
High flowability for injection molding, excellent dimensional stability and high stiffness.
Available only in the version in black color

General Information			
Filler / Reinforcement	Talc,40% Filler by Weight		
Features	Good Dimensional Stability		
	High Flow		
	High Stiffness		
	Homopolymer		
Appearance	Black		
Forms	Regrind		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.25	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	14	g/10 min	ISO 1133
Molding Shrinkage			ISO 294-4
Across Flow	0.95	%	
Flow	0.95	%	
Water Absorption ¹ (23°C, 24 hr)	0.030	%	ISO 62
Ash Content	40	%	ISO 3451
Accelerated Oven Aging (150°C)	6.3	day	ISO 4577
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, 15 sec)	76		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2/20
Yield, 23°C	28.0	MPa	
Break, 23°C	25.0	MPa	
Tensile Strain			ISO 527-2/20
Yield, 23°C	3.0	%	
Break, 23°C	5.0	%	
Flexural Modulus ² (23°C)	4000	MPa	ISO 178
Flexural Stress (23°C)	45.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength (23°C)	17	kJ/m ²	ISO 179/1eU

Notched Izod Impact Strength			ISO 180/1A
-20°C	2.1	kJ/m ²	
23°C	2.5	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	120	°C	ISO 75-2/B
1.8 MPa, Unannealed	75.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	152	°C	ISO 306/A50
--	95.0	°C	ISO 306/B50
Ball Pressure Test (125°C)	Pass		IEC 335
Flammability	Nominal Value		Test Method
Flame Rating (1.50 mm)	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	80.0 to 100	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	200 to 220	°C	
Mold Temperature	40.0 to 60.0	°C	
Injection Rate	Moderate		
NOTE			
1.	50%RH		
2.	2.0 mm/min		

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