E-RIALFILL C 15 20 T

Polypropylene Copolymer

RIALTI Srl

Message:

Polypropylene compound obtained by complete recycling of industrial scrap, 20%filled with talc.
Flowability, for injection molding of big dimension articles, good impact strength and good stiffness. Available just in black version.

General Information			
Filler / Reinforcement	Talc,20% Filler by Weight		
Features	Copolymer Good Impact Resistance Good Stiffness Good Thermal Stability		
Appearance	Black		
Forms	Regrind		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.05	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	10	g/10 min	ISO 1133
Molding Shrinkage			ISO 294-4
Across Flow	1.4	%	
Flow	1.4	%	
Water Absorption [1] (23°C, 24 hr)	0.020	%	ISO 62
Ash Content	20	%	ISO 3451
Hardness	**Nominal Value**	**Unit**	**Test Method**
Shore Hardness (Shore D, 15 sec)	68		ISO 868
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus (23°C)	1950	MPa	ISO 527-2/2
Tensile Stress			ISO 527-2/20
Yield, 23°C	21.0	MPa	
Break, 23°C	16.0	MPa	
Tensile Strain			ISO 527-2/20
Yield, 23°C	7.0	%	
Break, 23°C	120	%	
Flexural Modulus [2] (23°C)	1700	MPa	ISO 178
Flexural Stress (23°C)	30.0	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	2.2	kJ/m²	

23°C	6.8	kJ/m²	
Charpy Unnotched Impact Strength (23°C)	50	kJ/m²	ISO 179/1eU
Notched Izod Impact Strength			ISO 180/1A
-40°C	2.3	kJ/m²	
-30°C	2.5	kJ/m²	
-20°C	2.7	kJ/m²	
23°C	6.0	kJ/m²	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature			
0.45 MPa, Unannealed	96.0	°C	ISO 75-2/B
1.8 MPa, Unannealed	56.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	130	°C	ISO 306/A50
--	68.0	°C	ISO 306/B50
Flammability	**Nominal Value**		**Test Method**
Flame Rating (1.50 mm)	HB		UL 94
Injection	**Nominal Value**	**Unit**	
Drying Temperature	80.0 to 90.0	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	180 to 200	°C	
Mold Temperature	30.0 to 50.0	°C	
NOTE			
1.	50%RH		
2.	2.0 mm/min		

Recommended distributors for this material

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