E-RIALFILL C 02 S 25 T

Polypropylene Copolymer

RIALTI Srl

Message:

Polypropylene copolymer obtained by total recycling selected industrial scrap, 25% filled with talc, process stabilization.
Flowability rate specific for extrusion, good impact strength also at low temperatures; good dimensional stability thermo-stability; available only black color version

General Information			
Filler / Reinforcement	Talc,25% Filler by Weight		
Additive	Processing Aid		
Features	Copolymer		
	Good Flow		
	Good Impact Resistance		
	Good Stiffness		
	Good Thermal Stability		
	Low Temperature Impact Resistance		
Appearance	Black		
Forms	Regrind		
Processing Method	Extrusion		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.09	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.5	g/10 min	ISO 1133
Molding Shrinkage			ISO 294-4
Across Flow	1.3	%	
Flow	1.3	%	
Water Absorption [1] (23°C, 24 hr)	0.020	%	ISO 62
Ash Content	25	%	ISO 3451
Hardness	**Nominal Value**	**Unit**	**Test Method**
Shore Hardness (Shore D, 15 sec)	70		ISO 868
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress			ISO 527-2/20
Yield, 23°C	27.0	MPa	
Break, 23°C	18.0	MPa	
Tensile Strain			ISO 527-2/20
Yield, 23°C	5.0	%	
Break, 23°C	7.0	%	
Flexural Modulus [2] (23°C)	2300	MPa	ISO 178
Flexural Stress (23°C)	38.0	MPa	ISO 178

Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength (23°C)	60	kJ/m^2	ISO 179/1eU
Notched Izod Impact Strength			ISO 180/1A
-40°C	2.0	kJ/m^2	
-20°C	3.0	kJ/m^2	
23°C	5.5	kJ/m^2	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature			
0.45 MPa, Unannealed	105	°C	ISO 75-2/B
1.8 MPa, Unannealed	60.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	148	°C	ISO 306/A50
--	80.0	°C	ISO 306/B50
Flammability	**Nominal Value**		**Test Method**
Flame Rating (1.50 mm)	HB		UL 94
Extrusion	**Nominal Value**	**Unit**	
Drying Temperature	80.0 to 90.0	°C	
Drying Time	3.0	hr	
Melt Temperature	200 to 220	°C	
NOTE			
1.	50%RH		
2.	2.0 mm/min		

Recommended distributors for this material

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