RIALFILL B 15 SL 20 TC

Polypropylene

RIALTI Srl

Message:

Polypropylene compound filled 20% talc and calcium carbonate mineral filler, thermal and light stabilization (UV radiations).
Flowability specific for injection molding; good stiffness, good superficial aethetic and thermal properties; available in natural and colored as per sample.

General Information			
Filler / Reinforcement	Talc\Calcium Carbonate,20% Filler by Weight		
Additive	UV Stabilizer		
Features	Good Flow Good Stiffness Good Thermal Stability Good UV Resistance Pleasing Surface Appearance		
Appearance	Colors Available Natural Color		
Forms	Pellets		
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)	13	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	20	%	ISO 3451
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	18.0	MPa	
Tensile Strain			ISO 527-2/20
Yield, 23°C	5.5	%	
Break, 23°C	150	%	
Flexural Modulus [2] (23°C)	2100	MPa	ISO 178
Flexural Stress (23°C)	40.0	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	2.5	kJ/m^2	
23°C	4.5	kJ/m^2	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature			
0.45 MPa, Unannealed	110	°C	ISO 75-2/B
1.8 MPa, Unannealed	62.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	148	°C	ISO 306/A50
--	90.0	°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	190 to 210	°C	
Mold Temperature	40.0 to 50.0	°C	
NOTE			
1.	50%RH		
2.	2.0 mm/min		

Recommended distributors for this material

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