RIALFILL H 15 S 40 T0

Polypropylene Homopolymer

RIALTI Srl

Message:

Polypropylene homopolymer compound filled with 40% aethetic rigid talc.
Flowability specifc for injection molding of aethetic particulars; high rigidity and dimensional planarity at hight temperatures.
Available in natural version and colored as per sample.

General Information			
Filler / Reinforcement	Talc,40% Filler by Weight		
Features	Good Dimensional Stability Good Flow High Rigidity Homopolymer Pleasing Surface Appearance		
Appearance	Colors Available Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.25	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	12	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)	6.3	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	28.0	MPa	
Tensile Strain			ISO 527-2/20
Yield, 23°C	3.0	%	
Break, 23°C	5.0	%	
Flexural Modulus [2] (23°C)	4400	MPa	ISO 178

Flexural Stress (23°C)	48.0	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Unnotched Impact Strength (23°C)	18	kJ/m²	ISO 179/1eU
Notched Izod Impact Strength			ISO 180/1A
-20°C	2.1	kJ/m²	
23°C	2.5	kJ/m²	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature			
0.45 MPa, Unannealed	131	°C	ISO 75-2/B
1.8 MPa, Unannealed	80.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	154	°C	ISO 306/A50
--	100	°C	ISO 306/B50
Ball Pressure Test (125°C)	Pass		IEC 335
CLTE - Flow	6.0E-5	cm/cm/°C	ISO 11359-2
Flammability	**Nominal Value**		**Test Method**
Flame Rating (1.50 mm)	HB		UL 94
Injection	**Nominal Value**	**Unit**	
Drying Temperature	90.0 to 100	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	200 to 240	°C	
Mold Temperature	50.0 to 60.0	°C	
Injection Rate	Fast		
NOTE			
1.	50%RH		
2.	2.0 mm/min		

Recommended distributors for this material

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