

E-RIALFILL EP 15 S 30 C2

Polypropylene

RIALTI Srl

Message:

Polypropylene blend compound obtained by recycling of industrial scraps, filled with 30% calcium carbonate.
High flowability rate specific for injection molding of article of big dimensions; available in versions black and colored as per sample.

General Information			
Filler / Reinforcement	Calcium Carbonate,30% Filler by Weight		
Features	High Flow		
Appearance	Black		
	Colors Available		
Forms	Regrind		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.12	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	11	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	30	%	ISO 3451
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, 15 sec)	69		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2/20
Yield, 23°C	17.0	MPa	
Break, 23°C	14.0	MPa	
Tensile Strain			ISO 527-2/20
Yield, 23°C	4.0	%	
Break, 23°C	50	%	
Flexural Modulus ² (23°C)	1700	MPa	ISO 178
Flexural Stress (23°C)	29.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength (23°C)	40	kJ/m ²	ISO 179/1eU
Notched Izod Impact Strength			ISO 180/1A
-40°C	2.5	kJ/m ²	
23°C	7.0	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method

Heat Deflection Temperature			
0.45 MPa, Unannealed	94.0	°C	ISO 75-2/B
1.8 MPa, Unannealed	51.0	°C	ISO 75-2/A
Vicat Softening Temperature	66.0	°C	ISO 306/B50
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	
Injection Rate	Fast		
NOTE			
1.	50%RH		
2.	2.0 mm/min		

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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