

GAPEX® RPP10EB18WH

Polypropylene Homopolymer

Ferro Corporation

Message:

GAPEX® RPP10EB18WH is a polypropylene homopolymer (PP Homopoly) material, and its filler is 10% glass fiber reinforced material. This product is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific. GAPEX® The main characteristics of the RPP10EB18WH are: homopolymer.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 10% filler by weight		
Features	Homopolymer		
Appearance	White		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.01	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.5	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	82		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	41.4	MPa	ASTM D638
Flexural Modulus - 1% Tangent	2480	MPa	ASTM D790
Flexural Strength (23°C)	62.1	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	320	J/m	ASTM D256
Unnotched Izod Impact (23°C)	320	J/m	ASTM D256
Dart Drop Impact	0.339	J	ASTM D3029
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	138	°C	ASTM D648
1.8 MPa, not annealed	121	°C	ASTM D648
Additional Information			
Flexural Modulus, ASTM D790, 1% Secant: 345000 psi			
Injection	Nominal Value	Unit	
Drying Temperature	71.1 - 82.2	°C	
Drying Time	2.0 - 4.0	hr	
Rear Temperature	221 - 238	°C	
Middle Temperature	227 - 243	°C	
Front Temperature	232 - 260	°C	
Nozzle Temperature	232 - 260	°C	
Processing (Melt) Temp	221 - 238	°C	

Mold Temperature	37.8 - 65.6	°C
Injection Rate	Slow-Moderate	
Back Pressure	0.138 - 0.345	MPa
Cushion	5.08 - 12.7	mm

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Recommended distributors for this material

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