

GAPEX® HP RPP30EU92BK

Polypropylene

Ferro Corporation

Message:

GAPEX® HP RPP30EU92BK is a polypropylene material, which contains a 30% 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 features of HP RPP30EU92BK are:

Impact modification

Chemical coupling

heat stabilizer

UV stability

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 30% filler by weight		
Additive	Impact modifier		
	heat stabilizer		
	UV stabilizer		
Features	Impact modification		
	Chemical coupling		
	Thermal Stability		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Density	1.13	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	4.5	g/10 min	ISO 1133
Molding Shrinkage			ISO 294-4
Vertical flow direction	0.70	%	ISO 294-4
Flow direction	0.20	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	5000	MPa	ISO 527-2
Tensile Stress (Yield)	84.2	MPa	ISO 527-2
Tensile Strain (Break)	8.0	%	ISO 527-2
Flexural Modulus - Tangent	5250	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ISO 180/1A
-40°C	8.2	kJ/m ²	ISO 180/1A
23°C	15	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	146	°C	ISO 75-2/A
Additional Information			

Filler Content, ISO 3451: 30%Flammability, ISO 3795: 18 mm/minMold Shrinkage, ISO 2577, Flow, 48 hr, 23°C: 0.2%Mold Shrinkage, ISO 2577, Across Flow, 48 hr, 23°C: 0.7%

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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