

GAPEX® RPP20EC32NA

Polypropylene Homopolymer

Ferro Corporation

Message:

GAPEX®RPP20EC32NA is a polypropylene homopolymer (PP Homopoly) material, and its filler is 20% 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 the RPP20EC32NA are:

Chemical coupling

Homopolymer

heat stabilizer

GAPEX®The typical application fields of RPP20EC32NA are: automobile industry

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 20% filler by weight		
Additive	heat stabilizer		
Features	Chemical coupling		
	Homopolymer		
	Thermal Stability		
Uses	Application in Automobile Field		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Density	1.04	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	12	g/10 min	ISO 1133
Molding Shrinkage			ISO 294-4
23°C, 48 hours	0.40	%	ISO 294-4
Vertical flow direction	0.80	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, 23°C)	70.5	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	4.0	%	ISO 527-2
Flexural Modulus (23°C)	3300	MPa	ISO 178
Flexural Stress (23°C)	80.3	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ISO 180/1A
-40°C	6.0	kJ/m ²	ISO 180/1A
23°C	7.3	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	155	°C	ISO 75-2/B
1.8 MPa, not annealed	143	°C	ISO 75-2/A
Additional Information			

The values listed as Molding Shrinkage, ISO 294-4, were tested in accordance with ISO 2577. Filler Content, ISO 3451: 20.0% Flammability, ISO 3795: 28 mm/min

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