

GAPEX® RPP20EB32BK

Polypropylene Homopolymer

Ferro Corporation

Message:

GAPEX®RPP20EB32BK is a polypropylene homopolymer (PP Homopoly) 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 RPP20EB32BK are:

Chemical coupling

heat stabilizer

General Information			
Additive	heat stabilizer		
Features	Chemical coupling		
	Thermal Stability		
Appearance	Black		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Density	1.05	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.5	g/10 min	ISO 1133
Molding Shrinkage			ISO 294-4
Vertical flow direction	0.80	%	ISO 294-4
Flow direction	0.80	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, 23°C)	58.2	MPa	ISO 527-2
Flexural Modulus - Tangent	3100	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ISO 180
-40°C	4.3	kJ/m ²	ISO 180
23°C	6.3	kJ/m ²	ISO 180
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	140	°C	ISO 75-2/A
Additional Information			
Tensile/Izod Change, 1,000 hrs @ 140°C, ISO 188: +12/-2			
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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