GAPEX® RPP10EV02NA

Polypropylene

Ferro Corporation

Message:

GAPEX®RPP10EV02NA is a polypropylene material, and the 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 RPP10EV02NA are: chemical coupling.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 10% filler by weight		
Features	Chemical coupling		
Forms	Particle		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	0.968	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	6.5	g/10 min	ASTM D1238
Molding Shrinkage			ASTM D955
Flow	0.80	%	ASTM D955
Transverse flow	1.1	%	ASTM D955
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Yield, 23°C)	45.5	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	4.0	%	ASTM D638
Flexural Modulus			ASTM D790
1% secant: 23°C	2120	MPa	ASTM D790
Tangent: 23°C	2190	MPa	ASTM D790
Flexural Strength (Yield, 23°C)	67.6	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (23°C)	80	J/m	ASTM D256
Unnotched Izod Impact (23°C)	480	J/m	ASTM D256
Dart Drop Impact	0.452	J	ASTM D5420
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	152	°C	ASTM D648
1.8 MPa, not annealed	129	°C	ASTM D648
Additional Information			
Filler Content, ASTM D2584: 10%			
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

Recommended distributors for this material

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