

GAPEX® RPP30EU91NA

Polypropylene
Ferro Corporation

Message:

GAPEX®RPP30EU91NA is a polypropylene 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 RPP30EU91NA are:

Impact modification
Chemical coupling
Good UV resistance
heat stabilizer
UV stability

General Information			
Additive	Impact modifier		
	heat stabilizer		
	UV stabilizer		
Features	Impact modification		
	Chemical coupling		
	Good UV resistance		
	Thermal Stability		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Density	1.12	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	1930	MPa	ISO 527-2
Tensile Stress (Yield)	70.2	MPa	ISO 527-2
Tensile Strain (Break)	8.0	%	ISO 527-2
Flexural Modulus - Tangent	4390	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ISO 180
-40°C	8.4	kJ/m ²	ISO 180
23°C	12	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	140	°C	ISO 75-2/A

Additional Information

Flammability, ISO 3795: 18 mm/min Linear Mold Shrinkage, 48 hrs @ 23°C, ISO 2577: 0.2%

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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