GAPEX® RPP25EA12HB WHITE

Polypropylene Homopolymer

Ferro Corporation

Message:

GAPEX®RPP25EA12HB WHITE is a polypropylene homopolymer (PP Homopoly) material, which contains a 26% 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 RPP25EA12HB WHITE are: chemical coupling.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 26% filler by weight		
Features	Chemical coupling		
Appearance	White		
Forms	Particle		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.11	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	5.5	g/10 min	ASTM D1238
Molding Shrinkage			ASTM D955
Flow	0.40	%	ASTM D955
Transverse flow	1.1	%	ASTM D955
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (23°C)	59.3	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	3.0	%	ASTM D638
Flexural Modulus			ASTM D790
1% secant: 23°C	4050	MPa	ASTM D790
Tangent: 23°C	4350	MPa	ASTM D790
Flexural Strength (23°C)	88.3	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (23°C)	53	J/m	ASTM D256
Unnotched Izod Impact (23°C)	300	J/m	ASTM D4812
Dart Drop Impact (23°C)	0.282	J	ASTM D5420
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	157	°C	ASTM D648
1.8 MPa, not annealed	143	°C	ASTM D648
Additional Information			
Testing and measurements were performed at 73 +/-3°F and 50 +/-5% relative humidity unless otherwise noted.			
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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