

GAPEX® RPP30DA10BK

Polypropylene Homopolymer

Ferro Corporation

Message:

GAPEX® RPP30DA10BK is a Polypropylene Homopolymer (PP Homopolymer) material filled with 30% glass fiber. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America.

Important attributes of GAPEX® RPP30DA10BK are:

Heat Stabilizer

Homopolymer

Typical application of GAPEX® RPP30DA10BK: Automotive

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Additive	Heat Stabilizer		
Features	Heat Stabilized		
	Homopolymer		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.12	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	4.3	g/10 min	ASTM D1238
Molding Shrinkage			ASTM D955
Flow	0.30	%	
Across Flow	0.90	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	60.7	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	3.0	%	ASTM D638
Flexural Modulus			ASTM D790
1% Secant : 23°C	4980	MPa	
Tangent : 23°C	5340	MPa	
Flexural Strength (23°C)	89.6	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	43	J/m	ASTM D256
Unnotched Izod Impact (23°C)	190	J/m	ASTM D256
Gardner Impact	0.226	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	157	°C	
1.8 MPa, Unannealed	145	°C	
Injection	Nominal Value	Unit	
Drying Temperature	71.1 to 82.2	°C	

Drying Time	2.0 to 4.0	hr
Rear Temperature	221 to 238	°C
Middle Temperature	227 to 243	°C
Front Temperature	232 to 260	°C
Nozzle Temperature	232 to 260	°C
Processing (Melt) Temp	221 to 238	°C
Mold Temperature	37.8 to 65.6	°C
Injection Rate	Slow-Moderate	
Back Pressure	0.138 to 0.345	MPa
Cushion	5.08 to 12.7	mm

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Recommended distributors for this material

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