

GAPEX® RPP43EU86BK

Polypropylene Copolymer

Ferro Corporation

Message:

GAPEX®RPP43EU86BK is a polypropylene copolymer (PP Copoly) material, and its filler is 43% 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 RPP43EU86BK are: heat stabilizer.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 43% filler by weight		
Additive	heat stabilizer		
Features	Thermal Stability		
Appearance	Black		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.25	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.0	g/10 min	ASTM D1238
Molding Shrinkage			ASTM D955
Flow	0.30	%	ASTM D955
Transverse flow	0.60	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	89.0	MPa	ASTM D638
Flexural Modulus	6400	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-23°C	790	J/m	ASTM D256
23°C	140	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	147	°C	ASTM D648
Additional Information			
Thermal Oxidative Stability, 150°C, ASTM D3012: >500 hrs.			
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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