

GAPEX® RPP45EA93GY

Polypropylene

Ferro Corporation

Message:

GAPEX® RPP45EA93GY is a Polypropylene material filled with 45% glass fiber. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America.

General Information			
Filler / Reinforcement	Glass Fiber,45% Filler by Weight		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.26	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	5.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.30	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	82		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	84.8	MPa	ASTM D638
Tensile Elongation (Break)	4.0	%	ASTM D638
Flexural Modulus	8270	MPa	ASTM D790
Flexural Strength (Yield)	145	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	81	J/m	ASTM D256
Unnotched Izod Impact (23°C)	440	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	160	°C	
1.8 MPa, Unannealed	152	°C	

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Recommended distributors for this material

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