

Ferro PE RPE10HW14BK

Polyethylene

Ferro Corporation

Message:

Ferro PE RPE10HW14BK is a polyethylene material, which contains a 10% glass fiber reinforced material. This product is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 10% filler by weight		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.02	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	5.8	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	31.0	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	12	%	ASTM D638
Flexural Modulus			ASTM D790
1% secant: 23°C	1260	MPa	ASTM D790
Tangent: 23°C	1410	MPa	ASTM D790
Flexural Strength (Yield, 23°C)	34.5	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	64	J/m	ASTM D256
Unnotched Izod Impact (23°C)	340	J/m	ASTM D256
Dart Drop Impact	7.01	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	116	°C	ASTM D648
1.8 MPa, not annealed	71.1	°C	ASTM D648
Additional Information			

Filler Content, ASTM D2584: 10%

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Recommended distributors for this material

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