

Ferro PP MPP25FU23HB

Polypropylene
Ferro Corporation

Message:
Ferro PP MPP25FU23HB is a polypropylene material, which contains 25% mica filler. This product is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific. The main characteristics of Ferro PP MPP25FU23HB are impact modification.

General Information			
Filler / Reinforcement	Mica filler, 25% filler by weight		
Additive	Impact modifier		
Features	Impact modification		
Appearance	Black		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.09	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	5.2	g/10 min	ASTM D1238
Molding Shrinkage			ASTM D955
Flow	1.2	%	ASTM D955
Transverse flow	1.5	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	22.1	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	5.0	%	ASTM D638
Flexural Modulus			ASTM D790
1% secant: 23°C	1920	MPa	ASTM D790
Tangent: 23°C	2250	MPa	ASTM D790
Flexural Strength (Yield, 23°C)	35.2	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	59	J/m	ASTM D256
Unnotched Izod Impact (23°C)	670	J/m	ASTM D256
Dart Drop Impact	11.3	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	109	°C	ASTM D648
1.8 MPa, not annealed	56.1	°C	ASTM D648
Additional Information			

Filler Content, ASTM D2584: 25%

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