

Ferro PP TPP40AN27HB NATURAL

Polypropylene
Ferro Corporation

Message:
Ferro PP TPP40AN27HB NATURAL is a Polypropylene material filled with 40% talc. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America for injection molding. Primary attribute of Ferro PP TPP40AN27HB NATURAL: Impact Modified.

General Information			
Filler / Reinforcement	Talc,40% Filler by Weight		
Additive	Impact Modifier		
Features	Impact Modified		
Appearance	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
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)	8.5	g/10 min	ASTM D1238
Molding Shrinkage			ASTM D955
Flow	1.0	%	
Across Flow	1.3	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	29.6	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	7.0	%	ASTM D638
Flexural Modulus			ASTM D790
1% Secant : 23°C	2980	MPa	
Tangent : 23°C	3960	MPa	
Flexural Strength (23°C)	48.3	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	27	J/m	ASTM D256
Unnotched Izod Impact (23°C)	240	J/m	ASTM D4812
Gardner Impact (23°C)	2.03	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	127	°C	
1.8 MPa, Unannealed	85.0	°C	

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Recommended distributors for this material

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