

Ferro PP TPP20AN87BK

Polypropylene
Ferro Corporation

Message:
Ferro PP TPP20AN87BK is a Polypropylene material filled with 23% talc. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America for injection molding. Primary attribute of Ferro PP TPP20AN87BK: Impact Modified.

General Information			
Filler / Reinforcement	Talc,23% Filler by Weight		
Additive	Impact Modifier		
Features	Impact Modified		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.08	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	14	g/10 min	ASTM D1238
Molding Shrinkage			ASTM D955
Flow	1.4	%	
Across Flow	1.6	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	30.3	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	20	%	ASTM D638
Flexural Modulus			ASTM D790
1% Secant : 23°C	2190	MPa	
Tangent : 23°C	2630	MPa	
Flexural Strength (23°C)	49.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	48	J/m	ASTM D256
Unnotched Izod Impact (23°C)	520	J/m	ASTM D4812
Gardner Impact (23°C)	4.29	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	110	°C	
1.8 MPa, Unannealed	62.8	°C	

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Recommended distributors for this material

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