

Ferro PP TPO20AT19GY

Polypropylene
Ferro Corporation

Message:

Ferro PP TPO20AT19GY is a polypropylene material, which contains 20% mineral fillers. This product is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific. The main characteristics of Ferro PP TPO20AT19GY are impact modification.

General Information			
Filler / Reinforcement	Mineral filler, 20% filler by weight		
Additive	Impact modifier		
Features	Impact modification		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.03	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	10	g/10 min	ASTM D1238
Molding Shrinkage			ASTM D955
Flow	1.3	%	ASTM D955
Transverse flow	1.5	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	20.0	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	50	%	ASTM D638
Flexural Modulus			ASTM D790
1% secant: 23°C	1380	MPa	ASTM D790
Tangent: 23°C	1650	MPa	ASTM D790
Flexural Strength (Yield, 23°C)	29.6	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	1800	J/m	ASTM D256
Unnotched Izod Impact (23°C)	960	J/m	ASTM D256
Dart Drop Impact	18.1	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	104	°C	ASTM D648
1.8 MPa, not annealed	54.4	°C	ASTM D648
Additional Information			

Filler Content, ASTM D2584: 20%

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Recommended distributors for this material

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