

Ferro PP TPP20AE54WH

Polypropylene Homopolymer

Ferro Corporation

Message:

Ferro PP TPP20AE54WH is a polypropylene homopolymer (PP Homopoly) material, which contains 20% talc 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 TPP20AE54WH are: homopolymer.

General Information			
Filler / Reinforcement	Talc filler, 20% filler by weight		
Features	Homopolymer		
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)	5.0	g/10 min	ASTM D1238
Molding Shrinkage			ASTM D955
Flow	1.4	%	ASTM D955
Transverse flow	1.5	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	33.1	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	20	%	ASTM D638
Flexural Modulus			ASTM D790
1% secant: 23°C	2300	MPa	ASTM D790
Tangent: 23°C	2740	MPa	ASTM D790
Flexural Strength (Yield, 23°C)	53.1	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	37	J/m	ASTM D256
Unnotched Izod Impact (23°C)	520	J/m	ASTM D256
Dart Drop Impact	0.565	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	124	°C	ASTM D648
1.8 MPa, not annealed	76.7	°C	ASTM D648
Additional Information			

Filler Content, ASTM D2584: 24%

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