

# Ferro PP TPP30AE85HB TAN

Polypropylene Homopolymer

Ferro Corporation

Message:

Ferro PP TPP30AE85HB TAN is a polypropylene homopolymer (PP Homopoly) material, which contains 30% talc filler. This product is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific. The processing method is injection molding. The main characteristics of Ferro PP TPP30AE85HB TAN are: homopolymer.

General Information			
Filler / Reinforcement	Talc filler, 30% filler by weight		
Features	Homopolymer		
Appearance	brownish yellow		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.15	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	5.0	g/10 min	ASTM D1238
Molding Shrinkage			ASTM D955
Flow	1.3	%	ASTM D955
Transverse flow	1.5	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	33.1	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	10	%	ASTM D638
Flexural Modulus			ASTM D790
1% secant: 23°C	2680	MPa	ASTM D790
Tangent: 23°C	3340	MPa	ASTM D790
Flexural Strength (23°C)	55.2	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	27	J/m	ASTM D256
Unnotched Izod Impact (23°C)	450	J/m	ASTM D4812
Dart Drop Impact (23°C)	0.452	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	131	°C	ASTM D648
1.8 MPa, not annealed	73.9	°C	ASTM D648

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