

Ferro PP TPP40AE57BK

Polypropylene Homopolymer

Ferro Corporation

Message:

Ferro PP TPP40AE57BK is a polypropylene homopolymer (PP Homopoly) material, which contains 40% talc filler. This product is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific.

The main features of Ferro PP TPP40AE57BK are:

Homopolymer

heat stabilizer

General Information			
Filler / Reinforcement	Talc filler, 40% filler by weight		
Additive	heat stabilizer		
Features	Homopolymer		
	Thermal Stability		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.25	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	7.0	g/10 min	ASTM D1238
Molding Shrinkage			ASTM D955
Flow	1.0	%	ASTM D955
Transverse flow	1.2	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	34.5	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	5.0	%	ASTM D638
Flexural Modulus			ASTM D790
1% secant: 23°C	3310	MPa	ASTM D790
Tangent: 23°C	4420	MPa	ASTM D790
Flexural Strength (Yield, 23°C)	57.9	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	21	J/m	ASTM D256
Unnotched Izod Impact (23°C)	260	J/m	ASTM D256
Dart Drop Impact	0.791	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	141	°C	ASTM D648
1.8 MPa, not annealed	85.0	°C	ASTM D648
Additional Information			
Filler Content, ASTM D2584: 39.5%			

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Recommended distributors for this material

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