

Ferro PP TPP40AR15NA

Polypropylene Copolymer

Ferro Corporation

Message:

Ferro PP TPP40AR15NA is a polypropylene copolymer (PP Copoly) 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 characteristics of Ferro PP TPP40AR15NA are copolymer.

General Information			
Filler / Reinforcement	Talc filler, 40% filler by weight		
Features	Copolymer		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.26	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.3	g/10 min	ASTM D1238
Molding Shrinkage			ASTM D955
Flow	1.0	%	ASTM D955
Transverse flow	1.3	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	23.4	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	45	%	ASTM D638
Flexural Modulus			ASTM D790
1% secant: 23°C	2070	MPa	ASTM D790
Tangent: 23°C	2950	MPa	ASTM D790
Flexural Strength (Yield, 23°C)	37.2	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	110	J/m	ASTM D256
Unnotched Izod Impact (23°C)	610	J/m	ASTM D256
Dart Drop Impact	16.9	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	135	°C	ASTM D648
1.8 MPa, not annealed	68.3	°C	ASTM D648
Additional Information			

Filler Content, ASTM D2584: 40%

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