

Ferro PP TPP40AJ20NA

Polypropylene Homopolymer

Ferro Corporation

Message:

Ferro PP TPP40AJ20NA 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 characteristics of Ferro PP TPP40AJ20NA are: homopolymer.

General Information			
Filler / Reinforcement	Talc filler, 40% filler by weight		
Features	Homopolymer		
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)	20	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)	32.4	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	4.0	%	ASTM D638
Flexural Modulus			ASTM D790
1% secant: 23°C	3550	MPa	ASTM D790
Tangent: 23°C	4650	MPa	ASTM D790
Flexural Strength (Yield, 23°C)	55.2	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	21	J/m	ASTM D256
Unnotched Izod Impact (23°C)	220	J/m	ASTM D256
Dart Drop Impact	0.452	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	138	°C	ASTM D648
1.8 MPa, not annealed	87.8	°C	ASTM D648
Additional Information			

Filler Content, ASTM D2584: 40%

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

