

Ferro PP TPP40AE22WH

Polypropylene Homopolymer

Ferro Corporation

Message:

Ferro PP TPP40AE22WH is a Polypropylene Homopolymer (PP Homopolymer) material filled with 42% talc. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America for injection molding. Primary attribute of Ferro PP TPP40AE22WH: Homopolymer.

General Information			
Filler / Reinforcement	Talc,42% Filler by Weight		
Features	Homopolymer		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.27	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	6.0	g/10 min	ASTM D1238
Molding Shrinkage			ASTM D955
Flow	0.90	%	
Across Flow	1.1	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	31.0	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	7.0	%	ASTM D638
Flexural Modulus			ASTM D790
1% Secant : 23°C	3210	MPa	
Tangent : 23°C	4360	MPa	
Flexural Strength (23°C)	52.4	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	21	J/m	ASTM D256
Unnotched Izod Impact (23°C)	240	J/m	ASTM D4812
Gardner Impact (23°C)	0.678	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	135	°C	
1.8 MPa, Unannealed	76.7	°C	

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