

Ferro PP WPP32SD03WH

Polypropylene Homopolymer

Ferro Corporation

Message:

Ferro PP WPP32SD03WH is a polypropylene homopolymer (PP Homopoly) material containing 30% wollastonite (casio3). This product is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific. The main characteristics of Ferro PP WPP32SD03WH are: homopolymer.

General Information			
Filler / Reinforcement	Wollastonite (CaSiO3), 30% filler by weight		
Features	Homopolymer		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.18	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	12	g/10 min	ASTM D1238
Molding Shrinkage			ASTM D955
Flow	1.2	%	ASTM D955
Transverse flow	1.8	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	31.0	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	10	%	ASTM D638
Flexural Modulus			ASTM D790
1% secant: 23°C	2780	MPa	ASTM D790
Tangent: 23°C	3560	MPa	ASTM D790
Flexural Strength (Yield, 23°C)	50.3	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	32	J/m	ASTM D256
Unnotched Izod Impact (23°C)	190	J/m	ASTM D256
Dart Drop Impact	0.226	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	129	°C	ASTM D648
1.8 MPa, not annealed	79.4	°C	ASTM D648
Additional Information			

Filler Content, ASTM D2584: 32%

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