

Ferro PP WPP20SD05NA

Polypropylene Homopolymer

Ferro Corporation

Message:

Ferro PP WPP20SD05NA is a polypropylene homopolymer (PP Homopoly) material containing 20% 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 WPP20SD05NA are: homopolymer.

General Information			
Filler / Reinforcement	Wollastonite (CaSiO3), 20% filler by weight		
Features	Homopolymer		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.09	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	18	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	30.7	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	15	%	ASTM D638
Flexural Modulus			ASTM D790
1% secant: 23°C	2190	MPa	ASTM D790
Tangent: 23°C	2760	MPa	ASTM D790
Flexural Strength (Yield, 23°C)	46.2	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	32	J/m	ASTM D256
Unnotched Izod Impact (23°C)	330	J/m	ASTM D256
Dart Drop Impact	0.282	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	121	°C	ASTM D648
1.8 MPa, not annealed	68.3	°C	ASTM D648
Additional Information			
Filler Content, ASTM D2584: 20%			

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Recommended distributors for this material

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