

Ferro PP WPP10SD04BK

Polypropylene Homopolymer

Ferro Corporation

Message:

Ferro PP WPP10SD04BK is a polypropylene homopolymer (PP Homopoly) material containing 10% wollastonite (casio3). This product is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific.

The main features of Ferro PP WPP10SD04BK are:

environmental protection/green

Homopolymer

heat stabilizer

General Information			
Filler / Reinforcement	Wollastonite (CaSiO3), 10% filler by weight		
Additive	heat stabilizer		
Recycled Content	Yes, 25%		
Features	Homopolymer		
	Thermal Stability		
Appearance	Black		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Density	0.980	g/cm³	ISO 1183/A
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	5.3	g/10 min	ISO 1133
Molding Shrinkage			ISO 294-4
Vertical flow direction	1.9	%	ISO 294-4
Flow direction	1.7	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, 23°C)	31.2	MPa	ISO 527-2
Flexural Modulus - Tangent	2.00	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ISO 180/1A
-40°C	2.7	kJ/m²	ISO 180/1A
23°C	3.9	kJ/m²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	112	°C	ISO 75-2/B
1.8 MPa, not annealed	64.0	°C	ISO 75-2/A
Additional Information			

Mineral Content, ISO 3451/1: 11%Tensile Change, ISO 188, 1000 hr, 140°C: +12%Izod Change, ISO 188, 1000 hr, 140°C: +4%

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Recommended distributors for this material

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