

Ferro PP CPP30GF14BK

Polypropylene Homopolymer

Ferro Corporation

Message:

Ferro PP CPP30GF14BK is a Polypropylene Homopolymer (PP Homopolymer) material filled with 31% mineral. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America for injection molding. Primary attribute of Ferro PP CPP30GF14BK: Homopolymer.

General Information			
Filler / Reinforcement	Mineral,31% Filler by Weight		
Features	Homopolymer		
Appearance	Black		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.16	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	21	g/10 min	ASTM D1238
Molding Shrinkage			ASTM D955
Flow	1.3	%	
Across Flow	1.6	%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	73		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	26.9	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	25	%	ASTM D638
Flexural Modulus			ASTM D790
1% Secant : 23°C	2280	MPa	
Tangent : 23°C	2630	MPa	
Flexural Strength (23°C)	45.5	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	27	J/m	ASTM D256
Unnotched Izod Impact (23°C)	480	J/m	ASTM D4812
Gardner Impact	2.82	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	110	°C	
1.8 MPa, Unannealed	62.8	°C	
Injection	Nominal Value	Unit	
Drying Temperature	93.3	°C	
Drying Time	2.0 to 3.0	hr	
Rear Temperature	202 to 204	°C	

Middle Temperature	204 to 210	°C
Front Temperature	210 to 213	°C
Nozzle Temperature	213 to 218	°C
Mold Temperature	43.3 to 51.7	°C
Back Pressure	0.345 to 0.689	MPa

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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



WECHAT