

FERREX® GPP35CF UL

Polypropylene

Ferro Corporation

Message:

FERREX® GPP35CF UL is a polypropylene material, which contains 36% calcium carbonate filler. This product is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific.

FERREX® The main features of GPP35CF UL are:

Low shrinkage

high gloss

Good processability

Homopolymer

Typical application areas include:

House

electrical appliances

General Information			
Filler / Reinforcement	Pearl filler, 36% packing by weight		
Features	Highlight		
	Homopolymer		
	Workability, good		
	Low shrinkage		
Uses	Electrical housing		
	Electrical appliances		
	Shell		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.24	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	22	g/10 min	ASTM D1238
Molding Shrinkage - Flow	1.1 - 1.4	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	74		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	22.8	MPa	ASTM D638
Tensile Elongation (Break)	25	%	ASTM D638
Flexural Modulus	2210	MPa	ASTM D790
Flexural Strength (Yield)	37.2	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	32	J/m	ASTM D256
Unnotched Izod Impact (23°C)	1100	J/m	ASTM D256
Dart Drop Impact (3.18 mm)	14.7	J	ASTM D3029

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	98.9	°C	ASTM D648
1.8 MPa, not annealed	54.4	°C	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature	93.3	°C	
Drying Time	2.0 - 3.0	hr	
Rear Temperature	199 - 204	°C	
Middle Temperature	204 - 210	°C	
Front Temperature	210 - 216	°C	
Nozzle Temperature	216 - 221	°C	
Mold Temperature	46.1 - 60.0	°C	
Back Pressure	0.138 - 0.345	MPa	
Screw Speed	100 - 150	rpm	
Clamp Tonnage	2.8 - 4.1	kN/cm ²	
Screw L/D Ratio	20.0:1.0		
Screw Compression Ratio	2.0:1.0		

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

