

Technical Data Sheet

Percom KCG30 NATURAL



Polypropylene Copolymer

Product Description

Percom KCG 30F is a Polypropylene Copolymer (PPCP) material filled with 30% glass fiber, chemically coupled.

Processing Method	Injection Molding
Attribute	Chemically Coupled; Copolymer
Filler/Reinforcement	Glass Fiber, 30%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	5.0	g/10 min	ISO 1133
Density	1.12	g/cm ³	ISO 1183
Mechanical			
Tensile Stress at Yield, (Type 1A)	77.0	MPa	ISO 527-2
Flexural Modulus	5300	MPa	ISO 178
Tensile Strain at Yield, (Type 1A)	2.0	%	ISO 527-2
Impact			
Notched Izod Impact Strength (23 °C, Type 1, Notch A)	12	kJ/m ²	ISO 180
(-20 °C, Type 1, Notch A)	5.0	kJ/m ²	ISO 180
Thermal			
Vicat Softening Temperature, (A (10N), 50 °C/h)	138	°C	ISO 306
Deflection Temperature Under Load Unannealed (1.80 MPa)	148	°C	ISO 75-2/A
Electrical			
Volume Resistivity	>1.0E+13	ohm*cm	IEC 60093
Dielectric Constant	2.5		ASTM D150
Comparative Tracking Index (CTI)	>650	V	IEC 60112
Surface Resistivity	>1.0E+15	ohm	IEC 60093
Flammable			
Burning Rate (2.00 mm)	<100	mm/min	FMVSS 302
(2.00 mm)	<100	mm/min	ISO 3795
UL Information			
Flame Rating (1.6 mm)	HB		UL 94
(3.2 mm)	HB		UL 94
Injection Parameters			
Drying Time	2.0 to 3.0	hr	
Drying Temperature	80	°C	
Processing (Melt) Temp	220 to 260	°C	
Mold Temperature	30 to 60	°C	