

Kotec Carbotex KG-30F15 Polycarbonate, Wear Resistant, 30% Glass Fiber Reinforced

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate, 30% Glass Filled

Material Notes:

Features: Glass fiber 30% reinforced, Mold release, Translucent, Dimensional stability, Non-friction
Applications: OA equipment, Communications, Precision parts, Machineries, E & E parts
Information provided by Kotec Corporation

Order this product through the following link:

http://www.lookpolymers.com/polymer_Kotec-Carbotex-KG-30F15-Polycarbonate-Wear-Resistant-30-Glass-Fiber-Reinforced.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.57 g/cc	1.57 g/cc	ASTM D792
Water Absorption	0.20 %	0.20 %	ASTM D570
	@Temperature 23.0 Â°C, Time 86400 sec	@Temperature 73.4 Â°F, Time 24.0 hour	
Linear Mold Shrinkage, Flow	0.0030 - 0.0040 cm/cm	0.0030 - 0.0040 in/in	ASTM D995
Linear Mold Shrinkage, Transverse	0.0030 - 0.0050 cm/cm	0.0030 - 0.0050 in/in	ASTM D995

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	120 MPa	17400 psi	ASTM D638
Elongation at Break	3.0 %	3.0 %	ASTM D638
Flexural Strength	142 MPa	20600 psi	ASTM D790
Flexural Modulus	5.80 GPa	841 ksi	ASTM D790
Izod Impact, Notched	0.780 J/cm	1.46 ft-lb/in	V-Notched 1/8"; ASTM D256
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	

Thermal Properties	Metric	English	Comments
Heat Distortion Temperature	145 Â°C	293 Â°F	ASTM D648
Flammability, UL94	V-0	V-0	
	@Thickness 1.70 mm	@Thickness 0.0669 in	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+16 ohm-cm	1.00e+16 ohm-cm	ASTM D257
	3.2	3.2	

Electrical Properties	Metric	English	Comments
	@Frequency 1.00e+6 Hz	@Frequency 1.00e+6 Hz	
Dielectric Strength	20.0 kV/mm	508 kV/in	ASTM D149
Dissipation Factor	0.00080 @Frequency 1.00e+6 Hz	0.00080 @Frequency 1.00e+6 Hz	ASTM D150
Arc Resistance	110 sec	110 sec	ASTM D495

Descriptive Properties	Value	Comments
Light Transmittance	Translucent	3.0mm, ASTM D1003

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China