

# Carbotex KG-30MRA

Polycarbonate

Kotec Corporation

## Message:

Carbotex KG-30MRA is a Polycarbonate (PC) product filled with 30% glass fiber. It is available in Africa & Middle East, Europe, Latin America, or North America.

Characteristics include:

Flame Rated

Good Mold Release

High Viscosity

Mold Release Agent

General Information			
UL YellowCard	E146413-223409	E146413-473953	
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Additive	Mold Release		
Features	Good Mold Release High Viscosity		
Appearance	Natural Color		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.43	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	0.20 to 0.50	%	ASTM D955
Water Absorption (24 hr)	< 0.20	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	127	MPa	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Flexural Modulus	7550	MPa	ASTM D790
Flexural Strength	162	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	100	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	146	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+16	ohms · cm	ASTM D257
Dielectric Strength (1.60 mm)	20	kV/mm	ASTM D149
Dielectric Constant (1 MHz)	3.20		ASTM D150
Dissipation Factor (1 MHz)	8.0E-3		ASTM D150
Arc Resistance	110	sec	ASTM D495
Flammability	Nominal Value	Unit	Test Method

Flame Rating (3.00 mm)	V-0	UL 94
Optical	Nominal Value	Test Method
Haze (3.00 mm)	Translucent	ASTM D1003

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Recommended distributors for this material

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