

**Carbotex KG-30MRA**

PC-GF30

Kotec Corporation

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Mold Shrinkage, MD	<b>0.0035</b>	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Tensile Strength at Break	<b>127</b>	MPa	ASTM D 638
Elongation at Break	<b>3</b>	%	ASTM D 638
Flexural Modulus	<b>7750</b>	MPa	ASTM D 790
Flexural Strength	<b>162</b>	MPa	ASTM D 790
Izod Impact notched, 1/8 in	<b>100</b>	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
UL 94 Flame rating	<b>V-0</b>	-	UL 94
Thickness tested	<b>3</b>	mm	-
DTUL @ 264 psi	<b>146</b>	°C	ASTM D 648

Electrical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Dielectric Strength, Short Time	<b>20</b>	kV/mm	ASTM D 149
Dissipation Factor, 1 MHz	<b>0.008</b>	-	ASTM D 150
Dielectric Constant, 1 MHz	<b>3.2</b>	-	ASTM D 150
Volume Resistivity	<b>&gt;1E15</b>	Ohm*cm	ASTM D 257
Arc Resistance	<b>110</b>	s	ASTM D 495

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	<b>0.2</b>	%	ASTM D 570
Density	<b>1430</b>	kg/m <sup>3</sup>	ASTM D 792

**Characteristics****Delivery form**

Pellets, Natural Color

**Regional Availability**

North America, Europe, Near East/Africa

**Features**

Low Odor