

Carbotex KGN-15MRA

PC-GF15

Kotec Corporation

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.004	mm/mm	ASTM D 955
Mechanical properties			
ASTM Data			
Tensile Strength at Break	98	MPa	ASTM D 638
Elongation at Break	4.5	%	ASTM D 638
Flexural Modulus	4410	MPa	ASTM D 790
Flexural Strength	132	MPa	ASTM D 790
Izod Impact notched, 1/8 in	80	J/m	ASTM D 256
Thermal properties			
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	1.7	mm	-
DTUL @ 264 psi	143	°C	ASTM D 648
Electrical properties			
ASTM Data			
Dielectric Strength, Short Time	20	kV/mm	ASTM D 149
Dissipation Factor, 1 MHz	0.008	-	ASTM D 150
Dielectric Constant, 1 MHz	3.2	-	ASTM D 150
Volume Resistivity	>1E15	Ohm*cm	ASTM D 257
Arc Resistance	110	s	ASTM D 495
Other properties			
Water Absorption, 24hr	0.2	%	ASTM D 570
Density	1300	kg/m ³	ASTM D 792

Characteristics**Delivery form**

Pellets, Natural Color

Features

Low Odor

Special Characteristics

Flame retardant

Regional Availability

North America, Europe, Near East/Africa