

**Carbotex KV-40FD**

PC

Kotec Corporation

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Melt Flow Index, MFI	<b>10</b>	g/10min	ASTM D 1238
Temperature	<b>300</b>	°C	-
Load	<b>1.2</b>	kg	-
Mold Shrinkage, MD	<b>0.006</b>	mm/mm	ASTM D 955
<b>Mechanical properties</b>			
<b>ASTM Data</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Tensile Strength at Break	<b>63</b>	MPa	ASTM D 638
Elongation at Break	<b>120</b>	%	ASTM D 638
Flexural Modulus	<b>2160</b>	MPa	ASTM D 790
Flexural Strength	<b>85</b>	MPa	ASTM D 790
Izod Impact notched, 1/8 in	<b>830</b>	J/m	ASTM D 256
<b>Thermal properties</b>			
<b>ASTM Data</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
DTUL @ 264 psi	<b>133</b>	°C	ASTM D 648
<b>Electrical properties</b>			
<b>ASTM Data</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Dielectric Strength, Short Time	<b>20</b>	kV/mm	ASTM D 149
Dissipation Factor, 1 MHz	<b>0.009</b>	-	ASTM D 150
Dielectric Constant, 1 MHz	<b>2.9</b>	-	ASTM D 150
Volume Resistivity	<b>&gt;1E15</b>	Ohm*cm	ASTM D 257
Arc Resistance	<b>110</b>	s	ASTM D 495
<b>Optical properties</b>			
<b>ASTM Data</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Haze	<b>1</b>	%	ASTM D 1003
Light Transmittance	<b>89</b>	%	ASTM D 1003
Index of Refraction	<b>1.58</b>	-	ASTM D 542
<b>Other properties</b>			
<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>	
Water Absorption, 24hr	<b>0.2</b>	%	ASTM D 570
Density	<b>1200</b>	kg/m <sup>3</sup>	ASTM D 792

**Characteristics****Processing**

Injection Molding

**Delivery form**

Pellets

**Features**

Low Odor

**Applications**

General Purpose

**Regional Availability**

North America, Europe, Near East/Africa