

**Kocetal® K700BK**

POM

Kolon Industries

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Melt Flow Index, MFI	<b>27</b>	g/10min	ASTM D 1238
Temperature	<b>190</b>	°C	-
Load	<b>2.16</b>	kg	-
Mold Shrinkage, MD	<b>0.02</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	<b>65</b>	MPa	ASTM D 638
Elongation at Break	<b>40</b>	%	ASTM D 638
Flexural Modulus	<b>2700</b>	MPa	ASTM D 790
Flexural Strength	<b>97</b>	MPa	ASTM D 790
Rockwell Hardness	<b>M 80</b>	-	ASTM D 785
Izod Impact notched, 1/8 in	<b>53</b>	J/m	ASTM D 256
<b>Thermal properties</b>			
<b>ASTM Data</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
UL 94 Flame rating	<b>HB</b>	-	UL 94
Coefficient of Thermal Expansion, MD	<b>130</b>	E-6/K	ASTM D 696
DTUL @ 66 psi	<b>159</b>	°C	ASTM D 648
DTUL @ 264 psi	<b>110</b>	°C	ASTM D 648
Melting Temperature	<b>166</b>	°C	ASTM D 3418
Vicat Temperature	<b>162</b>	°C	ASTM D 1525
<b>Electrical properties</b>			
<b>ASTM Data</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Dielectric Strength, Short Time	<b>19</b>	kV/mm	ASTM D 149
Dissipation Factor, 1 MHz	<b>0.006</b>	-	ASTM D 150
Dielectric Constant, 1 MHz	<b>3.7</b>	-	ASTM D 150
Surface Resistivity	<b>&gt;1E15</b>	Ohm	ASTM D 257
Volume Resistivity	<b>1E14</b>	Ohm*cm	ASTM D 257
<b>Other properties</b>			
<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>	
Water Absorption, 24hr	<b>0.22</b>	%	ASTM D 570
Density	<b>1410</b>	kg/m <sup>3</sup>	ASTM D 792

**Characteristics****Delivery form**

Black

**Regional Availability**

North America, Asia Pacific