

**Kocetal® K300BLG**

POM

Kolon Industries

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Melt Flow Index, MFI	<b>10</b>	g/10min	ASTM D 1238
Mold Shrinkage, MD	<b>0.02</b>	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Tensile Strength	<b>60</b>	MPa	ASTM D 638
Elongation at Break	<b>50</b>	%	ASTM D 638
Flexural Modulus	<b>2500</b>	MPa	ASTM D 790
Flexural Strength	<b>88</b>	MPa	ASTM D 790
Rockwell Hardness	<b>M 80</b>	-	ASTM D 785
Izod Impact notched, 1/8 in	<b>52</b>	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ASTM Data</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>158</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

Electrical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Dielectric Strength, Short Time	<b>19</b>	kV/mm	ASTM D 149
Dissipation Factor, 1 MHz	<b>0.006</b>	-	ASTM D 150
Surface Resistivity	<b>&gt;1E15</b>	Ohm	ASTM D 257
Volume Resistivity	<b>1E14</b>	Ohm*cm	ASTM D 257

Other properties	Value	Unit	Test Standard
Density	<b>1410</b>	kg/m <sup>3</sup>	ASTM D 792

**Characteristics****Processing**

Injection Molding

**Regional Availability**

North America, Asia Pacific

**Applications**

General Purpose