

**KOPA® KN170**

PA6

Kolon Industries

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Mold Shrinkage, MD	<b>0.015</b>	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Tensile Strength	<b>80</b>	MPa	ASTM D 638
Flexural Modulus	<b>2942</b>	MPa	ASTM D 790
Flexural Strength	<b>128</b>	MPa	ASTM D 790
Rockwell Hardness	<b>R 120</b>	-	ASTM D 785
Izod Impact notched, 1/8 in	<b>74</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
Thickness tested	<b>0.8</b>	mm	-
Coefficient of Thermal Expansion, MD	<b>80</b>	E-6/K	ASTM D 696
DTUL @ 66 psi	<b>180</b>	°C	ASTM D 648
DTUL @ 264 psi	<b>65</b>	°C	ASTM D 648
Melting Temperature	<b>220</b>	°C	ASTM D 3418

Electrical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Dielectric Strength, Short Time	<b>20</b>	kV/mm	ASTM D 149
Dielectric Constant, 1 MHz	<b>3.4</b>	-	ASTM D 150
Arc Resistance	<b>120</b>	s	ASTM D 495

Other properties	Value	Unit	Test Standard
Density	<b>1140</b>	kg/m <sup>3</sup>	ASTM D 792

**Characteristics****Applications**

Automotive

**Regional Availability**

North America, Asia Pacific