

**KOPA® KN181D**

PA6

Kolon Industries

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Mold Shrinkage, MD	0.014	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Tensile Strength	76	MPa	ASTM D 638
Flexural Modulus	2775	MPa	ASTM D 790
Flexural Strength	124	MPa	ASTM D 790
Izod Impact notched, 1/8 in	74	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
UL 94 Flame rating	HB	-	UL 94
Coefficient of Thermal Expansion, MD	80	E-6/K	ASTM D 696
DTUL @ 66 psi	180	°C	ASTM D 648
DTUL @ 264 psi	65	°C	ASTM D 648
Melting Temperature	220	°C	ASTM D 3418

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

Other properties	Value	Unit	Test Standard
Density	1140	kg/m <sup>3</sup>	ASTM D 792
Color L	74	-	CIE
Color b	-1.8	-	CIE

**Characteristics****Applications**

Automotive

**Regional Availability**

North America, Asia Pacific