

KOPA® KN133G50BL

PA6-GF50

Kolon Industries

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.0045	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength	214	MPa	ASTM D 638
Flexural Modulus	13250	MPa	ASTM D 790
Flexural Strength	334	MPa	ASTM D 790
Rockwell Hardness	R 120	-	ASTM D 785
Izod Impact notched, 1/8 in	198	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
Coefficient of Thermal Expansion, MD	30	E-6/K	ASTM D 696
DTUL @ 66 psi	212	°C	ASTM D 648
DTUL @ 264 psi	210	°C	ASTM D 648
Melting Temperature	220	°C	ASTM D 3418

Electrical properties	Value	Unit	Test Standard
ASTM Data			
Dielectric Strength, Short Time	21	kV/mm	ASTM D 149
Dielectric Constant, 1 MHz	3	-	ASTM D 150
Arc Resistance	130	s	ASTM D 495

Other properties	Value	Unit	Test Standard
Density	1500	kg/m ³	ASTM D 792

Characteristics**Delivery form**

Black

Regional Availability

North America, Asia Pacific

Special Characteristics

Heat stabilized or stable to heat