

KOPA® KN190

PA6

Kolon Industries

| Mechanical properties | Value | Unit | Test Standard |
|------------------------------|--------------|-------------|----------------------|
| ASTM Data | | | |
| Tensile Strength | 74 | MPa | ASTM D 638 |
| Flexural Modulus | 2675 | MPa | ASTM D 790 |
| Flexural Strength | 115 | MPa | ASTM D 790 |
| Rockwell Hardness | R 120 | - | ASTM D 785 |
| Izod Impact notched, 1/8 in | 75 | 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 | 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 |
|---------------------------------|--------------|-------------|----------------------|
| ASTM Data | | | |
| 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 ³ | ASTM D 792 |
| Color L | 72.5 | - | CIE |
| Color b | -2.5 | - | CIE |

Characteristics**Applications**

Automotive

Regional Availability

North America, Asia Pacific