

KOPA® KN173HI2

PA6

Kolon Industries

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|-------------------------------------|---------------|-------|---------------|
| ASTM Data | | | |
| Mold Shrinkage, MD | 0.0145 | mm/mm | ASTM D 955 |

| Mechanical properties | Value | Unit | Test Standard |
|-----------------------------|--------------|------|---------------|
| ASTM Data | | | |
| Tensile Strength | 59 | MPa | ASTM D 638 |
| Flexural Modulus | 2059 | MPa | ASTM D 790 |
| Flexural Strength | 88 | MPa | ASTM D 790 |
| Rockwell Hardness | R 115 | - | ASTM D 785 |
| Izod Impact notched, 1/8 in | 245 | J/m | ASTM D 256 |

| Thermal properties | Value | Unit | Test Standard |
|--------------------------------------|------------|-------|---------------|
| ASTM Data | | | |
| UL 94 Flame rating | HB | - | UL 94 |
| Thickness tested | 0.8 | mm | - |
| Coefficient of Thermal Expansion, MD | 100 | E-6/K | ASTM D 696 |
| DTUL @ 66 psi | 160 | °C | ASTM D 648 |
| DTUL @ 264 psi | 65 | °C | ASTM D 648 |
| Melting Temperature | 215 | °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 | 3.2 | - | ASTM D 150 |
| Arc Resistance | 125 | s | ASTM D 495 |

| Other properties | Value | Unit | Test Standard |
|------------------|-------------|-------------------|---------------|
| Density | 1100 | kg/m ³ | ASTM D 792 |

Characteristics**Special Characteristics**

High impact or impact modified, Heat stabilized or stable to heat

Regional Availability

North America, Asia Pacific

Applications

Automotive