

KOPA® KN135HB40SIBL

PA6

Kolon Industries

| Mechanical properties | Value | Unit | Test Standard |
|---------------------------------------|--------------|-------------------|----------------------|
| ISO Data | | | |
| Tensile Strength | 125 | MPa | ISO 527 |
| Flexural modulus, 23°C | 6900 | MPa | ISO 178 |
| Charpy notched impact strength, +23°C | 4 | kJ/m ² | ISO 179/1eA |

| Thermal properties | Value | Unit | Test Standard |
|--|--------------|-------------|----------------------|
| ISO Data | | | |
| Temp. of deflection under load, 1.80 MPa | 184 | °C | ISO 75-1/-2 |

| Other properties | Value | Unit | Test Standard |
|-------------------------|--------------|-------------------|----------------------|
| Density | 1460 | kg/m ³ | ISO 1183 |

| Processing Recommendation Injection Molding | Value | Unit | Test Standard |
|--|-----------------|-------------|----------------------|
| Pre-drying - Temperature | 80 - 100 | °C | - |
| Pre-drying - Time | 4 - 5 | h | - |
| Processing humidity | ≤0.05 | % | - |
| Mold temperature | 60 - 80 | °C | - |
| Zone 1 | 230 | °C | - |
| Zone 2 | 250 | °C | - |
| Zone 3 | 255 | °C | - |
| Nozzle temperature | 260 | °C | - |

Characteristics**Processing**

Injection Molding

Delivery form

Black

Special Characteristics

Heat stabilized or stable to heat

Applications

Automotive

Regional Availability

North America, Asia Pacific