

# KOPA® KN135HB30HIBL

Polyamide 6  
Kolon Plastics, Inc.

Message:

KOPA® KN135HB30HIBL is a Polyamide 6 (Nylon 6) product. It is available in Asia Pacific, Europe, Latin America, or North America.  
Characteristics include:  
Flame Rated  
Good Dimensional Stability  
Heat Resistant

| General Information                          |               |                                                    |             |
|----------------------------------------------|---------------|----------------------------------------------------|-------------|
| Features                                     |               | Good Dimensional Stability<br>High Heat Resistance |             |
| Physical                                     | Nominal Value | Unit                                               | Test Method |
| Specific Gravity                             | 1.35          | g/cm <sup>3</sup>                                  | ASTM D792   |
| Molding Shrinkage - Flow                     | 0.10 to 0.30  | %                                                  | ASTM D955   |
| Water Absorption (Equilibrium, 23°C, 60% RH) | 0.40          | %                                                  | ASTM D570   |
| Hardness                                     | Nominal Value | Unit                                               | Test Method |
| Rockwell Hardness (R-Scale)                  | 115           |                                                    | ASTM D785   |
| Mechanical                                   | Nominal Value | Unit                                               | Test Method |
| Tensile Strength (23°C)                      | 98.0          | MPa                                                | ASTM D638   |
| Tensile Elongation (Break, 23°C)             | 6.5           | %                                                  | ASTM D638   |
| Flexural Modulus (23°C)                      | 5880          | MPa                                                | ASTM D790   |
| Flexural Strength (23°C)                     | 166           | MPa                                                | ASTM D790   |
| Impact                                       | Nominal Value | Unit                                               | Test Method |
| Notched Izod Impact (23°C)                   | 88            | J/m                                                | ASTM D256   |
| Thermal                                      | Nominal Value | Unit                                               | Test Method |
| Deflection Temperature Under Load            |               |                                                    | ASTM D648A  |
| 0.45 MPa, Unannealed                         | 190           | °C                                                 |             |
| 1.8 MPa, Unannealed                          | 175           | °C                                                 |             |
| Peak Melting Temperature                     | 220           | °C                                                 | ASTM D3418  |
| CLTE - Flow                                  | 4.0E-5        | cm/cm/°C                                           | ASTM D696   |
| Electrical                                   | Nominal Value | Unit                                               | Test Method |
| Dielectric Strength                          | 22            | kV/mm                                              | ASTM D149   |
| Dielectric Constant (1 MHz)                  | 3.50          |                                                    | ASTM D150   |
| Arc Resistance                               | 136           | sec                                                | ASTM D495   |
| Flammability                                 | Nominal Value | Unit                                               | Test Method |
| Flame Rating                                 | HB            |                                                    | UL 94       |

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#### Recommended distributors for this material

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