

# KOPA® KN135HB40BL

Polyamide 6  
Kolon Plastics, Inc.

Message:

KOPA® KN135HB40BL 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                             | 1.42          | g/cm <sup>3</sup>                                  | ASTM D792   |
| Molding Shrinkage - Flow                     | 0.10 to 0.30  | %                                                  | ASTM D955   |
| Water Absorption (Equilibrium, 23°C, 60% RH) | 0.030         | %                                                  | ASTM D570   |
| Hardness                                     | Nominal Value | Unit                                               | Test Method |
| Rockwell Hardness (R-Scale)                  | 120           |                                                    | ASTM D785   |
| Mechanical                                   | Nominal Value | Unit                                               | Test Method |
| Tensile Strength (23°C)                      | 128           | MPa                                                | ASTM D638   |
| Tensile Elongation (Break, 23°C)             | 5.0           | %                                                  | ASTM D638   |
| Flexural Modulus (23°C)                      | 7610          | MPa                                                | ASTM D790   |
| Flexural Strength (23°C)                     | 200           | MPa                                                | ASTM D790   |
| Impact                                       | Nominal Value | Unit                                               | Test Method |
| Notched Izod Impact (23°C)                   | 65            | J/m                                                | ASTM D256   |
| Thermal                                      | Nominal Value | Unit                                               | Test Method |
| Deflection Temperature Under Load            |               |                                                    | ASTM D648A  |
| 0.45 MPa, Unannealed                         | 210           | °C                                                 |             |
| 1.8 MPa, Unannealed                          | 203           | °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       |

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any

infringement occurs, please contact us immediately.

#### Recommended distributors for this material

### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

