

# KOPA® KN333HB440BL

Polyamide 66

Kolon Plastics, Inc.

Message:

KOPA® KN333HB440BL is a polyamide 66 (nylon 66) product. It is available in North America, Latin America, Europe or Asia Pacific.

Features include:

flame retardant/rated flame

Good dimensional stability

| General Information               |                            |          |             |
|-----------------------------------|----------------------------|----------|-------------|
| Features                          | Good dimensional stability |          |             |
| Physical                          | Nominal Value              | Unit     | Test Method |
| Specific Gravity                  | 1.45                       | g/cm³    | ASTM D792   |
| Molding Shrinkage - Flow          | 0.30 - 0.50                | %        | ASTM D955   |
| Water Absorption (Equilibrium)    | 0.40                       | %        | ASTM D570   |
| Hardness                          | Nominal Value              | Unit     | Test Method |
| Rockwell Hardness (R-Scale)       | 122                        |          | ASTM D785   |
| Mechanical                        | Nominal Value              | Unit     | Test Method |
| Tensile Strength (23°C)           | 137                        | MPa      | ASTM D638   |
| Tensile Elongation (Break, 23°C)  | 6.5                        | %        | ASTM D638   |
| Flexural Modulus                  | 7650                       | MPa      | ASTM D790   |
| Flexural Strength (23°C)          | 216                        | MPa      | ASTM D790   |
| Impact                            | Nominal Value              | Unit     | Test Method |
| Notched Izod Impact (23°C)        | 54                         | J/m      | ASTM D256   |
| Thermal                           | Nominal Value              | Unit     | Test Method |
| Deflection Temperature Under Load |                            |          | ASTM D648   |
| 0.45 MPa, not annealed            | 245                        | °C       | ASTM D648   |
| 1.8 MPa, not annealed             | 235                        | °C       | ASTM D648   |
| Peak Melting Temperature          | 255                        | °C       | ASTM D3418  |
| CLTE - Flow                       | 3.0E-5                     | cm/cm/°C | ASTM D696   |
| Electrical                        | Nominal Value              | Unit     | Test Method |
| Dielectric Strength               | 21                         | kV/mm    | ASTM D149   |
| Dielectric Constant (1 MHz)       | 3.40                       |          | ASTM D150   |
| Arc Resistance                    | 135                        | sec      | ASTM D495   |
| Flammability                      | Nominal Value              | Unit     | Test Method |
| Flame Rating                      | HB                         |          | UL 94       |

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