

# KOPA® KN3321G10V0L

Polyamide 66  
Kolon Plastics, Inc.

Message:

KOPA® KN3321G10V0L is a Polyamide 66 (Nylon 66) product. It is available in Asia Pacific, Europe, Latin America, or North America.  
Characteristics include:  
Flame Rated  
Flame Retardant  
Good Dimensional Stability  
Good Toughness

| General Information                          |                            |                   |             |
|----------------------------------------------|----------------------------|-------------------|-------------|
| Additive                                     | Flame Retardant            |                   |             |
| Features                                     | Flame Retardant            |                   |             |
|                                              | Good Dimensional Stability |                   |             |
|                                              | Ultra High Toughness       |                   |             |
| Physical                                     | Nominal Value              | Unit              | Test Method |
| Specific Gravity                             | 1.45                       | g/cm <sup>3</sup> | ASTM D792   |
| Molding Shrinkage - Flow                     | 0.50 to 1.0                | %                 | ASTM D955   |
| Water Absorption (Equilibrium, 23°C, 60% RH) | 0.70                       | %                 | 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)                      | 88.3                       | MPa               | ASTM D638   |
| Tensile Elongation (Break, 23°C)             | 8.0                        | %                 | ASTM D638   |
| Flexural Modulus (23°C)                      | 4810                       | MPa               | ASTM D790   |
| Flexural Strength (23°C)                     | 142                        | MPa               | ASTM D790   |
| Impact                                       | Nominal Value              | Unit              | Test Method |
| Notched Izod Impact (23°C)                   | 74                         | J/m               | ASTM D256   |
| Thermal                                      | Nominal Value              | Unit              | Test Method |
| Deflection Temperature Under Load            |                            |                   | ASTM D648   |
| 0.45 MPa, Unannealed                         | 240                        | °C                |             |
| 1.8 MPa, Unannealed                          | 235                        | °C                |             |
| Peak Melting Temperature                     | 255                        | °C                | ASTM D1525  |
| CLTE - Flow                                  | 3.0E-5                     | cm/cm/°C          | ASTM D696   |
| Electrical                                   | Nominal Value              | Unit              | Test Method |
| Dielectric Strength                          | 20                         | kV/mm             | ASTM D149   |
| Dielectric Constant (1 MHz)                  | 3.60                       |                   | ASTM D150   |
| Arc Resistance                               | 130                        | sec               | ASTM D495   |
| Flammability                                 | Nominal Value              | Unit              | Test Method |

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

