

# KOCETAL® K300LOBBN

Acetal (POM) Copolymer  
Kolon Plastics, Inc.

Message:

KOCETAL® K300LOBBN is an Acetal (POM) Copolymer product. It is available in Asia Pacific, Europe, Latin America, or North America.  
Characteristics include:  
Flame Rated  
Low to No Odor/Taste

| General Information                          |                |                   |             |
|----------------------------------------------|----------------|-------------------|-------------|
| UL YellowCard                                | E190675-238633 |                   |             |
| Features                                     | Low to No Odor |                   |             |
| Physical                                     | Nominal Value  | Unit              | Test Method |
| Specific Gravity                             | 1.41           | g/cm <sup>3</sup> | ASTM D792   |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)    | 10             | g/10 min          | ASTM D1238  |
| Molding Shrinkage - Flow                     | 2.0            | %                 | ASTM D955   |
| Water Absorption (Equilibrium, 23°C, 60% RH) | 0.22           | %                 | ASTM D570   |
| Hardness                                     | Nominal Value  | Unit              | Test Method |
| Rockwell Hardness (M-Scale)                  | 80             |                   | ASTM D785   |
| Mechanical                                   | Nominal Value  | Unit              | Test Method |
| Tensile Strength (23°C)                      | 62.0           | MPa               | ASTM D638   |
| Tensile Elongation (Break, 23°C)             | 50             | %                 | ASTM D638   |
| Flexural Modulus (23°C)                      | 2500           | MPa               | ASTM D790   |
| Flexural Strength (23°C)                     | 89.0           | MPa               | ASTM D790   |
| Impact                                       | Nominal Value  | Unit              | Test Method |
| Notched Izod Impact (23°C)                   | 50             | J/m               | ASTM D256   |
| Thermal                                      | Nominal Value  | Unit              | Test Method |
| Deflection Temperature Under Load            |                |                   | ASTM D648A  |
| 0.45 MPa, Unannealed                         | 158            | °C                |             |
| 1.8 MPa, Unannealed                          | 110            | °C                |             |
| Vicat Softening Temperature                  | 162            | °C                | ASTM D1525  |
| Melting Temperature                          | 166            | °C                | ASTM D1525  |
| CLTE - Flow                                  | 1.3E-5         | cm/cm/°C          | ASTM D696   |
| Electrical                                   | Nominal Value  | Unit              | Test Method |
| Surface Resistivity                          | 1.0E+13        | ohms              | ASTM D257   |
| Volume Resistivity                           | 1.0E+11        | ohms · cm         | ASTM D257   |
| Dielectric Strength                          | 19             | kV/mm             | ASTM D149   |
| Dielectric Constant                          | 3.70           |                   | ASTM D150   |
| Dissipation Factor (1 MHz)                   | 6.0E-3         |                   | ASTM D150   |
| Flammability                                 | Nominal Value  | Unit              | Test Method |

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### 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

