

# KOCETAL® GF306BK

Acetal (POM) Copolymer

Kolon Plastics, Inc.

Message:

KOCETAL® GF306BK is an Acetal (POM) Copolymer product filled with glass fiber. It is available in Asia Pacific, Europe, Latin America, or North America. Characteristics include:

- Flame Rated
- High Stiffness
- High Strength

| General Information                          |                |           |             |
|----------------------------------------------|----------------|-----------|-------------|
| Filler / Reinforcement                       | Glass Fiber    |           |             |
| Features                                     | High Stiffness |           |             |
|                                              | High Strength  |           |             |
| Appearance                                   | Black          |           |             |
| Physical                                     | Nominal Value  | Unit      | Test Method |
| Specific Gravity                             | 1.63           | g/cm³     | ASTM D792   |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)    | 7.1            | g/10 min  | ASTM D1238  |
| Molding Shrinkage - Flow                     | 0.40           | %         | ASTM D955   |
| Water Absorption (Equilibrium, 23°C, 60% RH) | 0.20           | %         | ASTM D570   |
| Hardness                                     | Nominal Value  | Unit      | Test Method |
| Rockwell Hardness (M-Scale)                  | 90             |           | ASTM D785   |
| Mechanical                                   | Nominal Value  | Unit      | Test Method |
| Tensile Strength (23°C)                      | 130            | MPa       | ASTM D638   |
| Tensile Elongation (Break, 23°C)             | 5.0            | %         | ASTM D638   |
| Flexural Modulus (23°C)                      | 9300           | MPa       | ASTM D790   |
| Flexural Strength (23°C)                     | 190            | MPa       | ASTM D790   |
| Impact                                       | Nominal Value  | Unit      | Test Method |
| Notched Izod Impact (23°C)                   | 48             | J/m       | ASTM D256   |
| Thermal                                      | Nominal Value  | Unit      | Test Method |
| Deflection Temperature Under Load            |                |           | ASTM D648A  |
| 0.45 MPa, Unannealed                         | 164            | °C        |             |
| 1.8 MPa, Unannealed                          | 163            | °C        |             |
| Melting Temperature                          | 166            | °C        | ASTM D1525  |
| CLTE - Flow                                  | 2.5E-5         | cm/cm/°C  | ASTM D696   |
| Electrical                                   | Nominal Value  | Unit      | Test Method |
| Surface Resistivity                          | 1.0E+16        | ohms      | ASTM D257   |
| Volume Resistivity                           | 1.0E+14        | 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 |
| 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

