

PolyOne Edgetek® ATH-25GF/000 Acetal-Homopolymer, Glass Filled (discontinued **)

Category : Polymer , Thermoplastic , Acetal (POM)

Material Notes:

Description/Features: Glass Fiber Reinforced UL 94 HB PolyOne First Choice Information provided by PolyOne Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Edgetek-ATH-25GF000-Acetal-Homopolymer-Glass-Filled-nbspdiscontinued-.php

| Physical Properties | Metric | English | Comments |
|-----------------------|--------------|--------------|-----------------------------|
| Specific Gravity | 1.59 g/cc | 1.59 g/cc | ASTM D792 |
| Water Absorption | 0.13 % | 0.13 % | 24 hr. Immersion; ASTM D570 |
| Linear Mold Shrinkage | 0.0045 cm/cm | 0.0045 in/in | ASTM D955 |

| Mechanical Properties | Metric | English | Comments |
|-------------------------|--|---|--|
| Tensile Strength, Yield | 94.5 MPa | 13700 psi | Type 1 - Rigids, 0.2 in/min; ASTM D638 |
| Elongation at Yield | 3.0 % | 3.0 % | Type 1 - Rigids, 0.2 in/min; ASTM D638 |
| Tensile Modulus | 8.96 GPa | 1300 ksi | Type 1 - Rigids, 0.2 in/min; ASTM D638 |
| Flexural Strength | 115.5 MPa | 16750 psi | ASTM D790 |
| Flexural Modulus | 6.76 GPa | 980 ksi | ASTM D790 |
| Izod Impact, Notched | 1.07 J/cm @ Thickness 6.35 mm, Temperature 23.0 °C | 2.00 ft-lb/in @ Thickness 0.250 in, Temperature 73.4 °F | Method A, Injection Molded; ASTM D256 |

| Thermal Properties | Metric | English | Comments |
|---|---------------------------------------|---|--------------------------------------|
| CTE, linear | 45.0 µm/m-°C @ Temperature 20.0 °C | 25.0 µin/in-°F @ Temperature 68.0 °F | ASTM D696 |
| Thermal Conductivity | >= 0.303 W/m-K | >= 2.10 BTU-in/hr-ft ² -°F | ASTM C177 |
| Deflection Temperature at 0.46 MPa (66 psi) | 171 °C | 340 °F | Unannealed, 0.125 in bars; ASTM D648 |
| Deflection Temperature at 1.8 MPa (264 psi) | 160 °C | 320 °F | Unannealed, 0.125 in bars; ASTM D648 |

| Electrical Properties | Metric | English | Comments |
|-----------------------|--------|---------|----------|
|-----------------------|--------|---------|----------|

| Electrical Properties | Metric | English | Comments |
|--------------------------------|--------------|--------------|-----------|
| Surface Resistivity per Square | 1.00e+14 ohm | 1.00e+14 ohm | ASTM D257 |

| Processing Properties | Metric | English | Comments |
|-----------------------|---------------|--------------|----------|
| Melt Temperature | 199 - 216 °C | 390 - 420 °F | Molding |
| Mold Temperature | 82.2 - 107 °C | 180 - 225 °F | |

| Descriptive Properties | Value | Comments |
|------------------------|---------|----------|
| Product Form | Pellets | |

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China