

Edgetek™ AT-25GF/000 NC001

Acetal (POM) Copolymer

PolyOne Corporation

Message:

Edgetek™AT-25GF/000 NC001 is a polyoxymethylene (POM) copolymer product, which contains a 25% glass fiber reinforced material. It can be processed by injection molding and is available in the Asia-Pacific region. The main characteristics are: flame retardant/rated flame.

| General Information | | | |
|--|---|-------------------|-------------|
| Filler / Reinforcement | Glass fiber reinforced material, 25% filler by weight | | |
| Appearance | Natural color | | |
| Processing Method | Injection molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 1.57 | g/cm ³ | ASTM D792 |
| Molding Shrinkage - Flow | 0.50 - 1.2 | % | ASTM D955 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength ¹ | 105 | MPa | ASTM D638 |
| Flexural Modulus ² | 7000 | MPa | ASTM D790 |
| Flexural Strength ³ | 150 | MPa | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact (23°C, 3.20 mm) | 48 | J/m | ASTM D256 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm) | 158 | °C | ASTM D648 |
| Electrical | Nominal Value | Unit | Test Method |
| Surface Resistivity | 1.0E+15 | ohms | ASTM D257 |
| Flammability | Nominal Value | Unit | Test Method |
| Flame Rating (1.60 mm) | HB | | UL 94 |
| Injection | Nominal Value | Unit | |
| Drying Temperature | 80.0 - 90.0 | °C | |
| Drying Time | 2.0 - 3.0 | hr | |
| Rear Temperature | 190 - 200 | °C | |
| Middle Temperature | 190 - 200 | °C | |
| Front Temperature | 190 - 200 | °C | |
| Mold Temperature | 75.0 - 85.0 | °C | |
| Injection instructions | | | |
| Injection Pressure: MED-HIGHHold Pressure: MED-HIGHScrew Speed: MODERATEBack Pressure: LOW | | | |
| NOTE | | | |
| 1. | 5.0 mm/min | | |
| 2. | 1.3 mm/min | | |
| 3. | 1.3 mm/min | | |

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