



## Edgetek™ AT-20GF/000 Natural HF

Acetal (POM) Copolymer

### Key Characteristics

| General                |                                     |
|------------------------|-------------------------------------|
| Material Status        | • Commercial: Active                |
| Regional Availability  | • Europe                            |
| Filler / Reinforcement | • Glass Fiber, 20% Filler by Weight |
| Appearance             | • Natural Color                     |
| Processing Method      | • Injection Molding                 |

### Technical Properties <sup>1</sup>

| Physical                                     | Typical Value (English)        | Typical Value (SI)             | Test Method |
|----------------------------------------------|--------------------------------|--------------------------------|-------------|
| Density                                      | 1.50 to 1.54 g/cm <sup>3</sup> | 1.50 to 1.54 g/cm <sup>3</sup> | ISO 1183    |
| Mechanical                                   | Typical Value (English)        | Typical Value (SI)             | Test Method |
| Tensile Modulus                              | 943000 psi                     | 6500 MPa                       | ISO 527-2   |
| Tensile Strength                             | 10900 psi                      | 75.0 MPa                       | ISO 527-2   |
| Tensile Stress (Break)                       | 305 psi                        | 2.10 MPa                       | ISO 527-2   |
| Flexural Modulus                             | 696000 psi                     | 4800 MPa                       | ISO 178     |
| Flexural Strength                            | 15200 psi                      | 105 MPa                        | ISO 178     |
| Impact                                       | Typical Value (English)        | Typical Value (SI)             | Test Method |
| Charpy Notched Impact Strength (73°F (23°C)) | 1.9 ft·lb/in <sup>2</sup>      | 3.9 kJ/m <sup>2</sup>          | ISO 179     |
| Charpy Unnotched Impact Strength 73°F (23°C) | 11 ft·lb/in <sup>2</sup>       | 24 kJ/m <sup>2</sup>           | ISO 179     |
| Flammability                                 | Typical Value (English)        | Typical Value (SI)             | Test Method |
| Flame Rating (0.13 in (3.2 mm))              | HB                             | HB                             | UL 94       |

### Processing Information

| Injection              | Typical Value (English) | Typical Value (SI) |
|------------------------|-------------------------|--------------------|
| Drying Temperature     | 176 to 212 °F           | 80 to 100 °C       |
| Drying Time            | 4.0 hr                  | 4.0 hr             |
| Processing (Melt) Temp | 374 to 410 °F           | 190 to 210 °C      |
| Mold Temperature       | 167 to 212 °F           | 75 to 100 °C       |

### Notes

<sup>1</sup> Typical values are not to be construed as specifications.