

Edgetek™ ET6620-0020 FRV0

Polyamide 66

PolyOne Corporation

Message:

The Edgetek® Engineering Thermoplastic Compounds portfolio covers a broad range of standard and custom-formulated high performance materials. This portfolio includes high-temperature materials for elevated service temperature environments, high-modulus / structural materials for load-bearing and high-strength applications and flame-retardant products. These compounds are based on select engineering thermoplastic resins that are compounded with reinforcing additives such as carbon fiber, glass fiber and glass beads.

| General Information | | | |
|--|-------------------|-------------------|-----------------|
| UL YellowCard | E76261-101454994 | | |
| Features | Flame Retardant | | |
| UL File Number | E41877 | | |
| Appearance | Black | | |
| Forms | Pellets | | |
| Processing Method | Injection Molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 1.50 | g/cm ³ | ASTM D792 |
| Molding Shrinkage - Flow | 0.30 | % | ASTM D955 |
| Water Absorption (23°C, 24 hr) | 0.30 | % | Internal Method |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Modulus | 8270 | MPa | ASTM D638 |
| Tensile Strength | 117 | MPa | ASTM D638 |
| Tensile Elongation (Break) | 2.0 | % | ASTM D638 |
| Flexural Modulus | 7580 | MPa | ASTM D790 |
| Flexural Strength | 159 | MPa | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact | 35 | J/m | ASTM D256 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.18 mm) | 187 | °C | ASTM D648 |
| Flammability | Nominal Value | | Test Method |
| Flame Rating | | | UL 94 |
| 1.59 mm | V-0 | | |
| 3.18 mm | V-0 | | |

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