

Edgetek™ XT XT-100-BU03 Black

Polycarbonate + PBT

PolyOne Corporation

Message:

EDGE TEK™ XT High Performance Polymers are polycarbonate and polyester alloys that combine strength, durability and chemical resistance. The Edgetek XT product family includes a complete line of general purpose, UV stable and low-temperature impact grades for use in a wide range of demanding applications and severe operating environments plus customized formulations to meet specialized requirements.

| General Information | | | |
|--|--------------------|-------------------|-------------|
| UL YellowCard | E76261-101413102 | | |
| Additive | UV Stabilizer | | |
| Appearance | Black | | |
| Forms | Pellets | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 1.20 | g/cm ³ | ASTM D792 |
| Molding Shrinkage - Flow | 0.70 to 0.90 | % | ASTM D955 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength ¹ (Yield) | 53.1 | MPa | ASTM D638 |
| Tensile Elongation ² (Break) | 100 | % | ASTM D638 |
| Flexural Modulus | 2070 | MPa | ASTM D790 |
| Flexural Strength | 75.8 | MPa | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact | | | ASTM D256A |
| -20°C, 3.18 mm, Injection Molded | 190 | J/m | |
| 23°C, 3.18 mm, Injection Molded | 750 | J/m | |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.35 mm) | 100 | °C | ASTM D648 |
| Injection | Nominal Value | Unit | |
| Drying Temperature | 110 | °C | |
| Drying Time | 2.0 | hr | |
| Processing (Melt) Temp | 260 to 277 | °C | |
| Mold Temperature | 65.6 to 87.8 | °C | |
| NOTE | | | |
| 1. | Type I, 5.1 mm/min | | |
| 2. | Type I, 5.1 mm/min | | |

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