



## Edgetek™ ET3200-0040 RS Black

### Polycarbonate

#### Key Characteristics

| General                |                      |
|------------------------|----------------------|
| Material Status        | • Commercial: Active |
| Regional Availability  | • North America      |
| Filler / Reinforcement | • Glass Fiber        |
| Features               | • Flame Retardant    |
| Forms                  | • Pellets            |

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

| Physical                                          | Typical Value (English) | Typical Value (SI) | Test Method     |
|---------------------------------------------------|-------------------------|--------------------|-----------------|
| Specific Gravity                                  | 1.52                    | 1.52               | ASTM D792       |
| Melt Mass-Flow Rate (MFR) (300°C/2.16 kg)         | 28 g/10 min             | 28 g/10 min        | ASTM D1238      |
| Molding Shrinkage - Flow                          | 1.0E-3 to 2.0E-3 in/in  | 0.10 to 0.20 %     | ASTM D955       |
| Mechanical                                        | Typical Value (English) | Typical Value (SI) | Test Method     |
| Tensile Strength <sup>2</sup> (Break)             | 19300 psi               | 133 MPa            | ASTM D638       |
| Tensile Elongation <sup>2</sup> (Break)           | 4.5 %                   | 4.5 %              | ASTM D638       |
| Flexural Modulus                                  | 1.41E+6 psi             | 9690 MPa           | ASTM D790       |
| Flexural Strength                                 | 31700 psi               | 219 MPa            | ASTM D790       |
| Impact                                            | Typical Value (English) | Typical Value (SI) | Test Method     |
| Notched Izod Impact                               |                         |                    | ASTM D256A      |
| 73°F (23°C), 0.250 in (6.35 mm), Injection Molded | 2.4 ft-lb/in            | 130 J/m            |                 |
| Thermal                                           | Typical Value (English) | Typical Value (SI) | Test Method     |
| Deflection Temperature Under Load                 |                         |                    | ASTM D648       |
| 264 psi (1.8 MPa), Annealed, 0.125 in (3.18 mm)   | 277 °F                  | 136 °C             |                 |
| Flammability                                      | Typical Value (English) | Typical Value (SI) | Test Method     |
| Flame Rating                                      |                         |                    | Internal Method |
| 0.0625 in (1.59 mm)                               | V-1                     | V-1                |                 |
| 0.125 in (3.18 mm)                                | V-0                     | V-0                |                 |

#### Notes

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

<sup>2</sup> Type I, 0.20 in/min (5.1 mm/min)

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