



## 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
Density / Specific Gravity	1.52	1.52	ASTM D792
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 73°F (23°C), 0.250 in (6.35 mm), Injection Molded	2.4 ft·lb/in	130 J/m	ASTM D256A
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Deflection Temperature Under Load 264 psi (1.8 MPa), Annealed, 0.125 in (3.18 mm)	277 °F	136 °C	ASTM D648
Flammability	Typical Value (English)	Typical Value (SI)	Test Method
Flame Rating (0.13 in (3.2 mm))	V-0	V-0	Internal Method

#### 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)