



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 ¹

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 ² (Break)	19300 psi	133 MPa	ASTM D638
Tensile Elongation ² (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			Internal Method
0.06 in (1.6 mm)	V-1	V-1	
0.13 in (3.2 mm)	V-0	V-0	

Notes

¹ Typical values are not to be construed as specifications.

² Type I, 0.20 in/min (5.1 mm/min)

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