



## Edgetek™ CY4000 NC002

### Polycarbonate + PBT

#### Key Characteristics

Product Description	
Impact modified PC/PBT alloy with outstanding impact strength and chemical resistance	
General	
Material Status	• Commercial: Active
Regional Availability	• Asia Pacific
Features	• Impact Modified
Appearance	• Natural Color
Processing Method	• Injection Molding

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

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density / Specific Gravity	1.21	1.21	ASTM D792
Molding Shrinkage (0.118 in (3.00 mm))	0.40 to 0.70 %	0.40 to 0.70 %	Internal Method
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength <sup>2</sup>	8850 psi	61.0 MPa	ASTM D638
Flexural Modulus <sup>3</sup>	334000 psi	2300 MPa	ASTM D790
Flexural Strength <sup>3</sup>	13800 psi	95.0 MPa	ASTM D790
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Notched Izod Impact 73°F (23°C), 0.126 in (3.20 mm)	12 ft-lb/in	650 J/m	ASTM D256
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Deflection Temperature Under Load 264 psi (1.8 MPa), Unannealed	212 °F	100 °C	ASTM D648
Electrical	Typical Value (English)	Typical Value (SI)	Test Method
Surface Resistivity	1.0E+15 ohms	1.0E+15 ohms	ASTM D257
Flammability	Typical Value (English)	Typical Value (SI)	Test Method
Flame Rating (0.06 in (1.5 mm))	HB	HB	UL 94

#### Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Drying Temperature	158 to 194 °F	70 to 90 °C
Drying Time	4.0 to 6.0 hr	4.0 to 6.0 hr
Processing (Melt) Temp	482 to 554 °F	250 to 290 °C
Mold Temperature	158 to 194 °F	70 to 90 °C

Injection Notes
Injection Pressure: MED-HIGH
Hold Pressure: MED-HIGH
Screw Speed: MODERATE
Back Pressure: LOW

#### Notes

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

<sup>2</sup> 2.0 in/min (50 mm/min)

<sup>3</sup> 0.051 in/min (1.3 mm/min)