



## Edgetek™ CY3000 NC007

### Polycarbonate + AS

#### Key Characteristics

Product Description	
Impact modified PC/ASA alloy with outstanding impact strength and weatherability	
General	
Material Status	• Commercial: Active
Regional Availability	• Asia Pacific
Features	• Impact Modified • Weather Resistant
Appearance	• Natural Color
Forms	• Pellets
Processing Method	• Injection Molding

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

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density / Specific Gravity	1.15	1.15	ASTM D792
Molding Shrinkage (0.118 in (3.00 mm))	0.50 to 0.60 %	0.50 to 0.60 %	ISO 294-4
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength <sup>2</sup>	7980 psi	55.0 MPa	ASTM D638
Flexural Modulus <sup>3</sup>	326000 psi	2250 MPa	ASTM D790
Flexural Strength <sup>3</sup>	12300 psi	85.0 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)	11 ft-lb/in	600 J/m	ASTM D256
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Deflection Temperature Under Load 264 psi (1.8 MPa), Unannealed	221 °F	105 °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 (1.6 mm))	HB	HB	Internal Method

#### Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Drying Temperature	176 to 212 °F	80 to 100 °C
Drying Time	4.0 to 6.0 hr	4.0 to 6.0 hr
Processing (Melt) Temp	446 to 482 °F	230 to 250 °C
Mold Temperature	176 to 212 °F	80 to 100 °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)



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