



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 ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
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 ²	7980 psi	55.0 MPa	ASTM D638
Flexural Modulus ³	326000 psi	2250 MPa	ASTM D790
Flexural Strength ³	12300 psi	85.0 MPa	ASTM D790
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Notched Izod Impact			ASTM D256
73°F (23°C), 0.126 in (3.20 mm)	11 ft-lb/in	600 J/m	
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
264 psi (1.8 MPa), Unannealed	221 °F	105 °C	
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

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Notes¹ Typical values are not to be construed as specifications.² 2.0 in/min (50 mm/min)³ 0.051 in/min (1.3 mm/min)**CONTACT INFORMATION****Americas**United States - Avon Lake
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