

**Integra™ PC-5025 NX UV BK4001**

PolySource, LLC - Polycarbonate

## General Information

**Product Description**

Non-Chlorinated, Non-Brominated, Flame Retardant UV Stabilized Polycarbonate

**General**

Material Status	• Commercial: Active
Availability	• North America
Additive	• UV Stabilizer
Features	• Bromine Free • Chlorine Free • Flame Retardant • UV Resistant

 Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.23		ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	11	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 73°F)	9800	psi	ASTM D638
Tensile Elongation (Break)	> 40	%	ASTM D638
Flexural Modulus (73°F)	400000	psi	ASTM D790
Flexural Strength (Yield, 73°F)	15500	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F, 0.250 in)	12	ft-lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	280	°F	ASTM D648
Deflection Temperature Under Load (264 psi, Unannealed)	260	°F	ASTM D648
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.06 in	•	V-1	
	•	5VB	
0.10 in		V-0	
0.10 in <sup>2</sup>		5VA	

## Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.

<sup>2</sup> Provisional data
