

Integra™ PC 5025 NX UV BK4001

Polycarbonate
PolySource, LLC

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

General Information			
UL YellowCard	E326789-102107535		
Additive	UV Stabilizer		
Features	Bromine Free		
	Chlorine Free		
	Flame Retardant		
	Good UV Resistance		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.23	g/cm³	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, 23°C)	67.6	MPa	ASTM D638
Tensile Elongation (Break)	> 40	%	ASTM D638
Flexural Modulus (23°C)	2760	MPa	ASTM D790
Flexural Strength (Yield, 23°C)	107	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 6.35 mm)	640	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	138	°C	
1.8 MPa, Unannealed	127	°C	
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
	V-1		
1.50 mm	5VB		
2.50 mm	V-0		
2.50 mm ¹	5VA		
NOTE			

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Recommended distributors for this material

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