

Integra™ PC 5022 FD 0002

PolySource, LLC - Polycarbonate

General Information
Product Description

Medium Viscosity, FDA compliant, Blue Tint PC

General

Material Status	• Commercial: Active
Availability	• North America
Features	• Medium Viscosity
Agency Ratings	• FDA
Appearance	• Blue

Properties¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.20		ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	16	g/10 min	ASTM D1238
Molding Shrinkage - Flow	5.0E-3 to 7.0E-3	in/in	ASTM D955
Water Absorption (24 hr, 73°F)	0.15	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 73°F)	8990	psi	ASTM D638
Tensile Strength (Break)	9860	psi	ASTM D638
Tensile Elongation (Yield)	7.0	%	ASTM D638
Tensile Elongation (Break)	130	%	ASTM D638
Flexural Modulus (73°F)	339000	psi	ASTM D790
Flexural Strength (Yield, 73°F)	13900	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	17	ft·lb/in ²	ISO 179/1eA
Notched Izod Impact (73°F, 0.250 in)	13	ft·lb/in	ASTM D256
Gardner Impact (73°F)	1500	in·lb	ASTM D3029
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	279	°F	ASTM D648
Deflection Temperature Under Load (264 psi, Unannealed)	264	°F	ASTM D648

Notes
¹ Typical properties: these are not to be construed as specifications.
