

Integra™ PC-5020 U

PolySource, LLC - Polycarbonate

General Information
Product Description

Low Viscosity, UV Stabilized Polycarbonate

General

Material Status	• Commercial: Active
Availability	• North America
Additive	• UV Stabilizer
Features	• Low Viscosity • UV Stabilized

Properties ¹

	Nominal Value	Unit	Test Method
Physical			
Density / Specific Gravity	1.20		ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	23	g/10 min	ASTM D1238
Water Absorption (24 hr, 73°F)	0.15	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 73°F)	9280	psi	ASTM D638
Tensile Elongation (Break)	90	%	ASTM D638
Flexural Modulus (73°F)	284000	psi	ASTM D790
Flexural Strength (Yield, 73°F)	12500	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F, 0.250 in)	14	ft-lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	266	°F	ASTM D648
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.06 in	V-2		
0.13 in	V-2		

