



Wednesday, February 15, 2023

Integra™ PC-5020 U

PolySource, LLC - Polycarbonate

Units English ▼

Action Legend (Open)



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

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
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	

Notes

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

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