

Integra™ PC-5027 F1

PolySource, LLC - Polycarbonate

General Information
Product Description

High Viscosity, UV Stabilized Polycarbonate

General

Material Status	• Commercial: Active
Availability	• North America
Additive	• UV Stabilizer
Features	• High Viscosity • UV Resistant

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)	6.0	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)	10200	psi	ASTM D638
Tensile Elongation (Break)	150	%	ASTM D638
Flexural Modulus (73°F)	327000	psi	ASTM D790
Flexural Strength (Yield, 73°F)	13300	psi	ASTM D790
Impact			
Nominal Value Unit Test Method			
Notched Izod Impact (73°F, 0.250 in)	17	ft·lb/in	ASTM D256
Thermal			
Nominal Value Unit Test Method			
Deflection Temperature Under Load (264 psi, Unannealed)	275	°F	ASTM D648
Flammability			
Nominal Value Unit Test Method			
Flame Rating			UL 94
0.06 in	V-2		
0.12 in	V-2		

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