

Integra™ PC5025 F1 FR CL

PolySource, LLC - Polycarbonate

General Information
Product Description

PC 12 MFI Flame Retardant Polycarbonate w/ Release

General

Material Status	• Commercial: Active
Availability	• North America
Additive	• Mold Release
Features	• Flame Retardant • Good Mold Release

Properties ¹

	Nominal Value	Unit	Test Method
Physical			
Density / Specific Gravity	1.23		ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	12	g/10 min	ASTM D1238
Mechanical			
Nominal Value Unit Test Method			
Tensile Strength (Yield, 0.125 in)	9000	psi	ASTM D638
Tensile Elongation (Break, 0.125 in)	75	%	ASTM D638
Flexural Modulus (0.125 in)	320000	psi	ASTM D790
Flexural Strength (0.125 in)	13000	psi	ASTM D790
Impact			
Nominal Value Unit Test Method			
Notched Izod Impact (0.125 in)	14	ft-lb/in	ASTM D256
Hardness			
Nominal Value Unit Test Method			
Rockwell Hardness (R-Scale)	120		ASTM D785
Thermal			
Nominal Value Unit Test Method			
Deflection Temperature Under Load (264 psi, Unannealed)	261	°F	ASTM D648
CLTE - Flow (-40 to 203°F)	3.9E-5	in/in/°F	ASTM E831
CLTE - Transverse (-40 to 203°F)	3.8E-5	in/in/°F	ASTM E831
Flammability			
Nominal Value Unit Test Method			
Flame Rating (0.13 in)	V-0		UL 94

