

Integra™ PC5025 F1 FR CL

Polycarbonate

PolySource, LLC

Message:

PC 12 MFI Flame Retardant Polycarbonate w/ Release

General Information			
Additive	demoulding		
Features	Good demoulding performance		
	Flame retardancy		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.23	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	12	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	120		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 3.18 mm)	62.1	MPa	ASTM D638
Tensile Elongation (Break, 3.18 mm)	75	%	ASTM D638
Flexural Modulus (3.18 mm)	2210	MPa	ASTM D790
Flexural Strength (3.18 mm)	89.6	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm)	750	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	127	°C	ASTM D648
Linear thermal expansion coefficient			ASTM E831
Flow: -40 to 95°C	7.0E-5	cm/cm/°C	ASTM E831
Lateral: -40 to 95°C	6.8E-5	cm/cm/°C	ASTM E831
Flammability	Nominal Value	Test Method	
Flame Rating (3.2 mm)	V-0	UL 94	

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