

Integra™ PC 5022 F1

Polycarbonate

PolySource, LLC

Message:

Medium Viscosity, UV Stabilized Polycarbonate

General Information			
UL YellowCard	E326789-100167744		
Additive	UV Stabilizer		
Features	Good UV Resistance		
	Medium Viscosity		

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	16	g/10 min	ASTM D1238
Water Absorption (23°C, 24 hr)	0.15	%	ASTM D570

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	68.9	MPa	ASTM D638
Tensile Elongation (Break)	130	%	ASTM D638
Flexural Modulus (23°C)	2250	MPa	ASTM D790
Flexural Strength (Yield, 23°C)	93.1	MPa	ASTM D790

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 6.35 mm)	910	J/m	ASTM D256

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	134	°C	ASTM D648

Flammability	Nominal Value	Test Method	
Flame Rating		UL 94	
1.59 mm	V-2		
3.18 mm	V-2		

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