

Integra™ PC-5020 U

Polycarbonate

PolySource, LLC

Message:

Low Viscosity, UV Stabilized Polycarbonate

General Information			
Additive	UV stabilizer		
Features	UV Stabilized		
	Low 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)	23	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)	64.0	MPa	ASTM D638
Tensile Elongation (Break)	90	%	ASTM D638
Flexural Modulus (23°C)	1960	MPa	ASTM D790
Flexural Strength (Yield, 23°C)	86.2	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 6.35 mm)	750	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	130	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.6 mm	V-2		UL 94
3.2 mm	V-2		UL 94

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