

Integra™ PC 5027 F1

Polycarbonate

PolySource, LLC

Message:

High Viscosity, UV Stabilized Polycarbonate

General Information	
UL YellowCard	E326789-100167754
Additive	UV Stabilizer
Features	Good UV Resistance
	High 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)	6.0	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)	70.3	MPa	ASTM D638
Tensile Elongation (Break)	150	%	ASTM D638
Flexural Modulus (23°C)	2250	MPa	ASTM D790
Flexural Strength (Yield, 23°C)	91.7	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)	135	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.50 mm	V-2		
3.00 mm	V-2		

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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