

Integra™ PC 5025 F1

Polycarbonate

PolySource, LLC

Message:

Medium Viscosity, UV Stabilized Polycarbonate

General Information			
UL YellowCard	E326789-100167749		
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)	13	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)	140	%	ASTM D638
Flexural Modulus (23°C)	2250	MPa	ASTM D790
Flexural Strength (Yield, 23°C)	91.0	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	
1.50 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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