

Integra™ PC-5022 F1 FR

Polycarbonate

PolySource, LLC

Message:

Flame Retardant, Medium Viscosity, UV Stabilized Polycarbonate

General Information	
UL YellowCard	E326789-100167739
Additive	UV stabilizer
Features	UV Stabilized Medium viscosity 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)	16	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	62.1	MPa	ASTM D638
Tensile Elongation (Break)	75	%	ASTM D638
Flexural Modulus (23°C)	2210	MPa	ASTM D790
Flexural Strength (Yield, 23°C)	89.6	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 6.35 mm)	530	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	137	°C	ASTM D648
1.8 MPa, not annealed	121	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.6 mm	V-1		UL 94
3.2 mm	V-0		UL 94

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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

