

PRODUCT TECHNICAL DATA SHEET

KyronMAX® S-1330 HF

Polycarbonate Based Structural Compound

MECHANICAL	Test Method	English		Metric	
		Typical Value	Unit	Typical Value	Unit
Specific Density	ASTM D792	1.32	g/cm ³	1.32	g/cm ³
Tensile Strength	ASTM D638	24,635	psi	170	MPa
Tensile Modulus of Elasticity	ASTM D638	3,350	ksi	23	Gpa
Tensile Elongation	ASTM D638	1.3	%	1.3	%
Flexural Strength	ASTM D790	36,550	psi	252	MPa
Flexural Modulus of Elasticity	ASTM D790	3,500	ksi	24	GPa
Compressive Strength	ASTM D695	27,200	psi	187	MPa
Compressive Modulus of Elasticity	ASTM D695	794	ksi	6	Gpa
Notched Izod Impact	ASTM D256	1.2	ft-lb/in	64	J/m
Unnotched Izod Impact	ASTM D4812	8	ft-lb/in	427	J/m
THERMAL					
Glass Transition (T _g)	ASTM D3418	292	°F	144	°C
Melting Point	ASTM D3418	N/A	°F	N/A	°C
ELECTRICAL					
Flammability	UL 94 ¹	HB		HB	
CHEMICAL					
Moisture, 24 hours	ASTM D570	0.12	% by wt	0.12	% by wt
OTHER					
Linear Mold Shrinkage, Flow		0.00 – 0.20	%	0.00 – 0.20	%
Linear Mold Shrinkage, Transverse		0.00 – 0.20	%	0.00 – 0.20	%

USA – Arizona

1705 North 48th Street
Mesa, AZ 85205 USA
Tel: 480.926.8100
Fax: 480.497.1530
KyronMAX@mcam.com

USA – Illinois

1840 Enterprise Court
Libertyville, IL 60048 USA
Tel: 847.367.0110
Fax: 847.367.0566

Asia – Thailand/Singapore

Eastern Seaboard Industrial Estate
Rayong 64/103, Moo 4, T. Pluakdaeng
A. Pluakdaeng, Rayong 21140 Thailand
Tel: +66 33 659 141
Fax: 847.367.0566

ALTHOUGH ANY INFORMATION, RECOMMENDATIONS, OR ADVICE CONTAINED HEREIN IS GIVEN IN GOOD FAITH, Mitsubishi Chemical Advanced Materials (MCAM) MAKES NO WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, (I) THAT THE RESULTS DESCRIBED HEREIN WILL BE OBTAINED UNDER END-USE CONDITIONS, OR (II) AS TO THE EFFECTIVENESS OR SAFETY OF ANY DESIGN INCORPORATING MCAM MATERIALS, PRODUCTS, RECOMMENDATIONS OR ADVICE. MCAM AND ITS REPRESENTATIVES SHALL IN NO EVENT BE RESPONSIBLE FOR ANY LOSS RESULTING FROM ANY USE OF ITS MATERIALS OR PRODUCTS DESCRIBED HEREIN. Each user bears full responsibility for making its own determination as to the suitability of MCAM materials, products, recommendations, or advice for its own particular use. Each user must identify and perform all tests and analyses necessary to assure that its finished parts incorporating MCAM materials or products will be safe and suitable for use under end-use conditions. Nothing in this or any other document, nor any oral recommendation or advice, shall be deemed to alter, vary, supersede, or waive any provision of MCAM Standard Conditions of Sale or this Disclaimer, unless any such modification is specifically agreed to in a writing signed by MCAM.

1 Does not represent actual testing conducted by MCAM but is an estimated rating based on available data. The UL 94 Test is a laboratory test and does not relate to actual fire hazard.