

PRODUCT TECHNICAL DATA SHEET

KyronMAX® S-1340 HF

Polycarbonate Based Structural Compound

MECHANICAL	Test Method	English		Metric	
		Typical Value	Unit	Typical Value	Unit
Specific Density	ASTM D792	1.37	g/cm ³	1.37	g/cm ³
Tensile Strength	ASTM D638	25,000	psi	172	MPa
Tensile Modulus of Elasticity	ASTM D638	4,426	ksi	29	Gpa
Tensile Elongation	ASTM D638	1.01	%	1.01	%
Flexural Strength	ASTM D790	37,400	psi	258	MPa
Flexural Modulus of Elasticity	ASTM D790	4,455	ksi	31	GPa
Compressive Strength	ASTM D695	28,300	psi	198	MPa
Compressive Modulus of Elasticity	ASTM D695	853	ksi	6	Gpa
Notched Izod Impact	ASTM D256	1.1	ft-lb/in	59	J/m
Unnotched Izod Impact	ASTM D4812	7	ft-lb/in	374	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	%

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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.