

**PRODUCT TECHNICAL DATA SHEET**

# KyronMAX® S-8230

**PPS Based Structural Compound**

<b>MECHANICAL</b>	<b>Test Method</b>	<b>English</b>		<b>Metric</b>	
		<b>Typical Value</b>	<b>Unit</b>	<b>Typical Value</b>	<b>Unit</b>
Specific Gravity	ASTM D792	1.43	g/cm <sup>3</sup>	1.43	g/cm <sup>3</sup>
Tensile Strength	ASTM D638	39,000	psi	269	MPa
Tensile Modulus of Elasticity	ASTM D638	4,300	ksi	30	Gpa
Tensile Elongation	ASTM D638	1.4	%	1.4	%
Flexural Strength	ASTM D790	55,000	psi	379	MPa
Flexural Modulus of Elasticity	ASTM D790	3,900	ksi	27	GPa
Compressive Strength	ASTM D695	41,300	psi	285	MPa
Notched Izod Impact	ASTM D256	1,010	ft-lb/in	7	J/m
Unnotched Izod Impact	ASTM D4812	1.3	ft-lb/in	69	J/m
<b>THERMAL</b>					
Glass Transition (Tg)	ASTM D3418	210	°F	99	°C
Melting Point	ASTM D3418	539	°F	282	°C
<b>ELECTRICAL</b>					
Flammability	UL 94 <sup>1</sup>	V-0		V-0	
<b>CHEMICAL</b>					
Moisture, 24 hours	ASTM D570	0.05	% by wt	0.05	% by wt
<b>OTHER</b>					
Linear Mold Shrinkage, Flow		0.00 – 0.20	%	0.00 – 0.20	%
Linear Mold Shrinkage, Transverse		0.45 – 0.65	%	0.45 – 0.65	%

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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.