

Kyron[®] 2300

PRODUCT TECHNICAL DATA SHEET

Mechanical	Test Method	Metric		English	
		Typical Value	Unit	Typical Value	Unit
Specific Gravity	ASTM D792	1.14	g/cm ³	0.0412	lbf/in ³
Water Absorption (23°C/73°F in water 24 hrs)	ASTM D570	0.25	%	0.25	%
Tensile Strength	ASTM D638	87	MPa	13	ksi
Tensile Elongation at Break	ASTM D638	4.0	%	4.0	%
Flexural Strength	ASTM D790	120	MPa	17	ksi
Flexural Modulus of Elasticity	ASTM D790	2.6	GPa	377	ksi
Charpy Impact Strength	ASTM D6110	5	kJ/m ²	2.38	ft-lb/in ²
Thermal	Test Method	Typical Value	Unit	Typical Value	Unit
Glass Transition (Tg)	ASTM D3418	113	°C	235	°F
Melting Point	ASTM D3418	288	°C	550	°F
Deflection Temperature Under Load	ASTM D648	1.82	MPa	264	psi
Dimensional	Test Method	Typical Value	Unit	Typical Value	Unit
Mold Shrinkage	ASTM D955				
MD		1.4	%	1.4	%
TD		1.5	%	1.5	%

USA – Arizona

257 East Alamo Drive
Chandler, AZ 85225 USA
Tel: 480.926.8100
Fax: 480.497.1530
KyronMAX@piperplastics.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: +66 33 659 143

<https://mcam.com>

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.

¹Does 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.