

Kyron[®] 1100

PRODUCT TECHNICAL DATA SHEET

Mechanical	Test Method	Metric		English	
		Typical Value	Unit	Typical Value	Unit
Specific Gravity	ASTM D792	1.30	g/cm ³	0.05	lbf/in ³
Water Absorption (23°C/73°F in water 24 hrs)	ASTM D570	0.50	%	0.50	%
Tensile Strength	ASTM D638	107	MPa	15,000	psi
Tensile Elongation at Break	ASTM D638	>100	%	>100	%
Flexural Strength	ASTM D790	169	MPa	24,500	psi
Flexural Modulus of Elasticity	ASTM D790	4137	GPa	600,000	ksi
Notched Izod Impact Strength	ASTM D256	80	J/m	1.50	ft-lb/in
Unnotched Izod Impact Strength	ASTM D4812	no break	J/m	no break	ft-lb/in
Thermal	Test Method	Typical Value	Unit	Typical Value	Unit
Melting Point	ASTM D3418	343	°C	649	°F
Glass Transition (T _g)	ASTM D3418	143	°C	289	°F
Heat Deflection Temperature Under Load	ASTM D648	343	°C	330	°F
Coefficient of Linear Thermal Expansion	ASTM D696	4.68	10 ⁻⁵ /°C	2.60	10 ⁻⁵ /°F
Thermal Conductivity	ASTM C177	5.68	W/mK	1.73	Btu in/hr ft ² °F

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¹Estimated rating based on available data. The UL 94 Test is a laboratory test and does not relate to actual fire hazard.