

Kyron[®] 2204

PRODUCT TECHNICAL DATA SHEET

Mechanical	Test Method	Metric		English	
		Typical Value	Unit	Typical Value	Unit
Specific Gravity	ASTM D792	1.51	g/cm ³	0.06	lbf/in ³
Water Absorption (23°C/73°F in water 24 hrs)	ASTM D570	0.37	%	0.37	%
Tensile Strength	ASTM D638	107	MPa	15,500	psi
Tensile Elongation at Break	ASTM D638	21	%	21	%
Flexural Strength	ASTM D790	183	MPa	26,500	psi
Flexural Modulus of Elasticity	ASTM D790	5171	GPa	750,000	ksi
Notched Izod Impact Strength	ASTM D256	53	J/m	1.00	ft-lb/in
Unnotched Izod Impact Strength	ASTM D256	no break	J/m	no break	ft-lb/in
Electrical	Test Method	Typical Value	Unit	Typical Value	Unit
Dielectric Strength	ASTM D149	16	kVmm ⁻¹	400	VPM
Dielectric Constant	ASTM D150	1, dry 3.5	MHz	1, dry 3.5	MHz
Dissipation Factor	ASTM D150	1, dry <0.0050	MHz	1, dry <0.0050	MHz
Volume/Surface Resistivity	EOS S11.11	1.0 x 10 ¹⁴	Ω sq	1.0 x 10 ¹⁴	Ω sq
Thermal	Test Method	Typical Value	Unit	Typical Value	Unit
Melting Point	ASTM D3418	343	°C	649	°F
Glass Transition (Tg)	ASTM D3418	143	°C	289	°F
Heat Deflection Temperature Under Load	ASTM D648	315	°C	599	°F
Coefficient of Linear Thermal Expansion	ASTM D696	3.60	10 ⁵ /°C	2.00	10 ⁵ /°F
Thermal Conductivity	ASTM C177	0.35	W/mK	2.40	Btu in/hr ft ² °F
Physical	Test Method	Typical Value	Unit	Typical Value	Unit
Color		white or gray		white or gray	

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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.