

3M™ CeQUIN IG Inorganic Insulating Paper

Data Sheet

August 2009

3M CeQUIN IG Inorganic Insulating Paper Laminates combines an electrical grade glass scrim with CeQUIN paper. The glass will enhance the physical strength and overall temperature resistance of the CeQUIN paper. CeQUIN IG is approved for use in electrical insulation systems rated through Class 220(R) per UL 1446 and IEC Std. 60085. 3M Innovative Paper Technologies UL Recognized Insulation Systems (File No. 65007) may be found on UL's Electrical Insulation Systems database at <http://database.ul.com/systems/>.

		ASTM Test Method	IG 5+3	IG 7+3	IG 10+3	IG 30+3
Nominal Thickness	mm mil	D-645	0.20 8	0.25 10	0.33 13	0.84 33
Basis Weight	g/m ² lb/yd ²	D-202	239 0.44	293 0.54	381 0.70	928 1.71
Tensile Strength, MD	lb/inch N/cm	D-828	115 201	115 201	115 201	115 201
Tensile Strength, CD	lb/inch N/cm	D-828	100 175	100 175	100 175	100 175
Dielectric Breakdown Strength	kV	D-149	1.3	1.6	2.0	4.0
Moisture Absorption	%	D-644	<1	<1	<1	<1

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