

3M™ CeQUIN IF 10+2 Laminate

Duplex Electrical Insulating Paper

Data Sheet

July 2010

CeQUIN IF is CeQUIN inorganic based insulating paper bonded to polyester (PET) film. CeQUIN IF is qualified for use as major ground insulation in electrical insulation systems rated through Class 220(R) per UL 1446 and IEC Std. 61857. It is suitable for applications including ground and layer insulation in dry-type transformers, as well as spiral-wound tubing and interwinding insulation in strip-wound coils and electromagnet coils. 3M Innovative Paper Technologies UL Recognized Insulation Systems (File No. 65007) may be found on UL's Electrical Insulation Systems Database at <http://www.ul.com/eis/>.

		ASTM Test Method	IF 10+2
Nominal Thickness	mm mil	D-645	0.30 12
Basis Weight	g/m ² lb/yd ²	D-202	347 0.64
Density	g/cc		1.1
Tensile Strength, MD	lb/inch N/cm	D-828	48 84
Tensile Strength, CD	lb/inch N/cm	D-828	55 96
Elmendorf Tear, MD	g N	D-689	240 2.4
Elmendorf Tear, CD	g N	D-689	352 3.4
Dielectric Breakdown Strength	kV	D-149	7.5
Moisture Absorption	%	D-644	<1

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