

# 3M™ CeQUIN 30F30 3-1-3 Laminate

## Triplex Electrical Insulating Paper

Data Sheet

July 2010

CeQUIN 30F30 is CeQUIN 3000 inorganic based insulating paper bonded to both sides of polyester (PET) film. CeQUIN 30F30 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	30F30 3-1-3
Nominal Thickness	mm mil	D-645	0.18 7
Basis Weight	g/m <sup>2</sup> lb/yd <sup>2</sup>	D-202	195 0.36
Density	g/cc		1.3
Tensile Strength, MD	lb/inch N/cm	D-828	35 61
Tensile Strength, CD	lb/inch N/cm	D-828	25 44
Elmendorf Tear, MD	g N	D-689	115 1.13
Elmendorf Tear, CD	g N	D-689	160 1.60
Dielectric Breakdown Strength	kV	D-149	6
Moisture Absorption	%	D-644	<1

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