

# 3M™ TufQUIN 110 10 mil

## Electrical Insulating Paper

Data Sheet

January 2014

3M™ TufQUIN 110 Electrical Insulating Paper is a hybrid inorganic-organic paper for high-temperature electrical insulating applications. TufQUIN 110 paper is qualified for use in electrical insulation systems rated through Class 200(N) per UL 1446 and IEC Std. 61857. These papers are flexible, conformable papers with high tensile strength, excellent tear resistance, and low moisture absorption. TufQUIN papers are compatible with commonly used impregnating varnishes and resins, and are easily impregnated, further enhancing thermal conductivity and coil-bonding characteristics. 3M UL Recognized Insulation Systems may be found in UL File 65007.

		ASTM Test Method	TufQUIN 110 10 mil
Nominal Thickness	mm mil	D-645	0.25 10
Basis Weight	g/m <sup>2</sup> lb/yd <sup>2</sup>	D-202	304 0.56
Tensile Strength, MD	lb/inch N/cm	D-828	50 88
Tensile Strength, CD	lb/inch N/cm	D-828	24 42
Tensile Elongation, MD	%	D-828	18
Tensile Elongation, CD	%	D-828	11
Elmendorf Tear, MD	g N	D-689	590 5.8
Elmendorf Tear, CD	g N	D-689	1335 13.1
Dielectric Breakdown Voltage	kV	D-149	2.5

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