

3M™ TufQUIN 120 15 mil

Electrical Insulating Paper

Data Sheet

October 2019

3M™ TufQUIN 120 Electrical Insulating Paper is a hybrid inorganic-organic paper for high-temperature electrical insulating applications. 3M TufQUIN 120 paper is qualified for use in electrical insulation systems rated through Class 200(N) per UL 1446 and IEC Std. 61857. 3M TufQUIN papers are flexible, conformable papers with high tensile strength, excellent tear resistance, and low moisture absorption. 3M 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 120 15 mil
Nominal Thickness	mm mil	D-645	0.38 15
Basis Weight	g/m ² lb/yd ²	D-202	425 0.78
Tensile Strength, MD	lb/inch N/cm	D-828	120 210
Tensile Elongation, MD	%	D-828	14
Dielectric Breakdown Voltage	kV	D-149	3.5

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