



|| 3M™ CEQUIN I – 5 mil ||

• Product Description

3M™CeQUINI is a high-temperature electrical insulation paper designed primarily for use in dry-type transformers. It is manufactured using advanced cellulose-based insulation technology, providing excellent thermal stability, dielectric performance, and mechanical strength. CeQUIN I insulation is suitable for applications requiring long-term reliability under elevated temperature conditions and is qualified for insulation systems rated up to Class 220 (R) in accordance with UL and IEC standards.

Typical Properties

Property	Units	ASTM Method	Typical Values
Nominal Thickness	mm / mil	D-645	0.13 mm / 5 mil
Basis Weight	g/m ² / lb/ft ²	D-202	125 / 0.23
Tensile Strength (MD)	lb/in / N/cm	D-828	6 / 11
Tensile Strength (CD)	lb/in / N/cm	D-828	2 / 3
Elongation to Break (MD)	%	D-828	< 2
Elongation to Break (CD)	%	D-828	< 2
Elmendorf Tear (MD)	g / N	D-689	44 / 0.4
Elmendorf Tear (CD)	g / N	D-689	82 / 0.8
Dielectric Breakdown Voltage	kV	D-149	1.0

• Typical Applications

- Major ground insulation in dry-type transformers
- Interwinding insulation
- Layer insulation
- Turn-to-turn insulation
- Electrical insulation in high-temperature environments

• Standards & Approvals

- UL 1446 – Electrical Insulation Systems
- IEC 61857 – Electrical Insulating Materials
- UL File No.: E65007