

## Electrical insulation material

### 3M™ CeQUIN™ 3000 | FI 15101

---

**Description:** 3M™ CeQUIN™ 3000 | FI 15101 is an inorganic insulation paper that is a modified version of CeQuin™ I.

---

**Properties:** 3M™ CeQUIN™ 3000 | FI 15101 was developed to provide high strength thin papers. It retains a high percentage of dielectric strength even after extended exposure to high temperatures. 3M™ CeQUIN™ 3000 | FI 15101 exhibits greater voltage endurance under continuous electrical stress than many other electrical insulation materials.

---

**Application:** 3M™ CeQUIN™ 3000 | FI 15101 can be used for dry type transformers, coils and reactors as ground, barrier, layer, end-turn and inter-winding insulation. In traction motors and generators it's used as inter-winding insulation for form-wound coils, slot insulation and phase insulation. Other applications are wire and cable wraps, battery separators, capacitor and electromagnet layer insulation, switchgear insulation as well as spiral and convolute tubing.

---

**Delivery forms:** 3M™ CeQUIN™ 3000 | FI 15101 can be delivered on roll or as tape, as well as customized cut or die-cut part. Other delivery forms upon customers request.

---

## 3M™ CeQUIN™ 3000 | FI 15101

Properties	Testmethod	Unit	Value	
Thickness	D-645	mm	0,08	0,13
Basis weight	D-202	g/m <sup>2</sup>	0,12	0,20
Density		g/cc	0,85	0,85
Tensile strength, lengthwise	D-828	N/cm	10	16
Elongation at break, lengthwise	D-828	%	1,4	1,4
Dielectric breakdown	D-149	kV	1.0	1,0
Moisture	D-644	%	<1	<1

**Trademark information:** CeQUIN™ is a registered trademark of 3M™ Co., USA.

**Please note:**

The information in this data sheet is based on our current knowledge and experience. They do not disengage the fabricator and the user from own tests and inspections because of the plenty of possible effects. There is no judicial binding assurance of certain properties or of the qualification for a concrete application in our declaration. We recommend consulting us in individual cases. The acceptor of our products has to observe possible industrial property rights as well as present laws by himself.

Dr. Dietrich Müller GmbH