

Electrical insulation material

3M™ CeQUIN™ II | FI 15112

Description: 3M™ CeQUIN™ II | FI 15112 is an inorganic insulation paper.

Properties: 3M™ CeQUIN™ II | FI 15112 exhibits enhanced physical and dielectric properties. It offers low moisture absorption, long-term dielectric strength and high thermal conductivity. 3M™ CeQUIN™ II | FI 15112 also has a superior varnish absorption.

Application: 3M™ CeQUIN™ II | FI 15112 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™ II | FI 15112 can be delivered on roll or as tape, as well as customized cut or die-cut part. Other delivery forms upon customers request.

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Properties	Testmethod	Unit	Value		
Thickness	D-645	mm	0,75	1,0	1,5
Basis weight	D-202	g/m ²	814	1140	1629
Density		g/cc	1,07	1,12	1,07
Tensile strength, lengthwise	D-828	N/cm	89	96	107
Elongation at break, lengthwise	D-828	%	<2	<2	<2
Dielectric breakdown strength	D-149	kV	6,5	8,8	9,2
Moisture absorption	D-644	%	<1	<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