

electrical insulation material

3M™ TufQUIN TFT 130 | FI 14150

Description: 3M™ TufQUIN TFT 130 | FI 14150 is, due to its composition of inorganic 3M TufQUIN insulation paper and polyesterfilm, a flexible laminate with a good dielectric and mechanical strength.

Properties: 3M™ TufQUIN TFT 130 | FI 14150 is, according to IEC 61249-2-21, halogen-free and certified for UL® class N (200° C). It offers an excellent resistance to partial discharge damage, long-term dielectric strength at high temperatures, mechanical strength, thermal conductivity as well as a good electrical strength. In addition, 3M™ TufQUIN TFT 130 | FI 14150 is highly moisture-resistant and has a distinguished absorption capacity for impregnating agent.

Application: 3M™ TufQUIN TFT 130 | FI 14150 is used for motors, coils and electromagnets. It's suitable, according to UL® 1446 and IEC 61857, for applications in electrical insulation systems. These papers are listed in the UL-Database (File-Number E65007).

Colour: 3M™ TufQUIN TFT 130 | FI 14150 is white.

Delivery forms: 3M™ TufQUIN TFT 130 | FI 14150 is available in a thicknesses of 0,51 mm. It can be delivered as a die-cut or molded part, customized cut, tape or roll. Coatings are possible. More delivery forms upon customers' request.

Dr. Dietrich Müller GmbH

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Properties	Testmethod	Unit	Value TFT 5-10-5
Thickness	ASTM D645	mm	0,51
		mil	20,0
Surface weight	ASTM D202	g/m ²	659
Mechanical strength MD TD	ASTM D828	N/mc	371
			536
Puncture strength	ASTM D149	kV	22,0
Moisture absorption	ASTM D644	%	< 1

3M™ TufQUIN TFT 130 | FI 14150 has a conformity for RoHS and REACH.

Trademark information: TufQUIN 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.