

electrical insulation material

3M™ TufQUIN KB | FI 15125

Description: 3M™ TufQUIN KB | FI 15125 is a hybrid inorganic-organic paper for high performance voice coil applications.

Properties: 3M™ TufQUIN KB | FI 15125 is fully compatible with ferrofluids and is electrically nonconductive. It offers good strength-to-weight ratio and exhibits good tear resistance. Furthermore it can be easily coated with specialty adhesives for the manufacturing process of voice coils. 3M™ TufQUIN KB | FI 15125 shows good thermal conductivity and its black colour promotes thermal emissivity.

Application: 3M™ TufQUIN KB | FI 15125 is used for high-performance voice coil applications.

Colour: 3M™ TufQUIN KB | FI 15125 is black.

Delivery forms: 3M™ TufQUIN KB | FI 15125 is available in a thickness of 0,08 to 0,13 mm. It can be delivered as a die-cut or customized cut, tape or roll. Other delivery forms upon customers request.

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Properties	Testmethod	Unit	Value	
Nominal thickness	D-645	mm	0,08	0,13
Basis weight	D-202	g/m ²	95	149
Tensile strength, MD	D-828	N/cm	40	58
Tensile strength, CD	D-828	N/cm	14	25
Elongation, MD	D-828	%	15	21
Elongation, CD	D-828	%	10	6
Elmendorf Tear, MD	D-689	N	0,7	1,9
Elmendorf Tear, CD	D-689	N	1,7	3,9
Dielectric breakdown strength	D-149	kV	0,8	0,8
Moisture absorption	D-644	%	<1	<1

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.