

Dr. Dietrich Müller GmbH, Zeppelinring 18, D-26197 Ahlhorn

Electrical Insulation Material

Flexiso[®] DMD FI 14010

Structure: Flexiso[®] DMD FI 14010 is a three-layer material, which consists of a layer of polyester film that is laminated on both sides with a layer of polyester fleece fabric and impregnated with a high temperature resistant resin.

Characteristics: Flexiso[®] DMD FI 14010 is characterized by very good electrical and mechanical properties and low moisture absorption. The smooth surface of the material allows for auto-feeding processes and demonstrates very good adhesion properties for impregnating. Flexiso[®] DMD FI 14010 is used in applications of insulation class F (155°C).

Application: Flexiso[®] DMD FI 14010 is used for example in electrical motors as slot and phase insulation, slot closures and inter-layers and in transformers as insulation layers as well as insulation layers in various electrical appliances.

Form of Supply: Flexiso[®] DMD FI 14010 is available in rolls (max width 1260 mm) tapes (from 10 mm wide). Other formats, for example, blanks, die-cut and formed parts are produced to customers specifications and on request, supplied with self-adhesive.

Storage Conditions: Flexiso[®] DMD FI 14010 can be stored for an unlimited period under normal conditions (20°C, 50% relative humidity). The material should be protected from humidity, dryness, direct sunlight, UV radiation exposure and heat.

Stand January 2015

Zeppelinring 18 | D-26197 Ahlhorn | Tel.: +49 (0) 4435 97 10 10 | Fax: +49 (0) 4435 97 10 11
info@mueller-ahlhorn.com | www.mueller-ahlhorn.com | Sitz der Gesellschaft: Ahlhorn
Geschäftsführer: Heinz-Jürgen Siebert | AG Oldenburg: HRB 209026 | Ust. ID-Nr.: DE 295969093
St.-Nr.: 68/207/07677 | Zertifiziert nach DIN EN ISO 9001:2008 | UL anerkannter Repacker E341377

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- Elektroisierstoffe
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Properties	Norm	Unit	Value						
			0.09 ± 15%	0.16 ± 15%	0.21 ± 15%	0.24 ± 15%	0.31 ± 15%	0.36 ± 15%	0.46 ± 3.5
Total Thickness	IEC-626-2	mm	23	50	100	125	190	250	350
Film Thickness	IEC-626-2	µm	100 ± 12%	150 ± 12%	230 ± 12%	270 ± 12%	360 ± 12%	435 ± 12%	570 ± 12%
Basis Weight	IEC-626-2	g/m ²	≥55 ≥35	≥90 ≥70	≥100 ≥90	≥100 ≥90	≥110 ≥100	≥110 ≥100	≥100 ≥90
Tensile Strength: Lengthwise Crosswise	IEC-626-2	N/mm ²	≥12 ≥20	≥25 ≥60	≥25 ≥75	≥25 ≥75	≥25 ≥75	≥30 ≥80	≥30 ≥80
Elongation: Lengthwise Crosswise	IEC-626-2	%	≥4	≥7	≥10	≥11	≥16	≥20	≥24
Breakdown Voltage	IEC-626-2	kV							

Trademark Information: Flexiso[®] is a registered trademark of the company Dr. Dietrich Müller GmbH Ahlhorn.

Information:

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