

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

Electrical insulating material

Flexiso[®] VF FI 10000

Structure: Flexiso[®] VF FI 10000 is a hard, tougher, non-splintering, and horny material used in insulation applications of insulation class Y (90 ° C).

Characteristics: Flexiso[®] VF FI 10000 is characterized by its high mechanical strength and good electrical properties.

Application: Flexiso[®] VF FI 10000 is suitable for electrical applications, such as archute, ground insulation dummy plug and handles. Flexiso[®] VF FI 10000 can easily edit using standard procedures, such as die-cutting, cutting, drilling, milling, grinding, planning, bending and gluing.

Delivery Form: Flexiso[®] VF FI 10000 is available in a standard thickness of 0.2 to 10.0 mm as a roller or plate product. Other formats, cut, die-cut or formed parts according to customer requirements, for example, self-adhesive and can be supplied on special request. Flexiso[®] VF FI 10000 is delivered in red as standard.

Storage Conditions: Flexiso[®] VF FI 10000 has an unlimited shelf life under normal conditions (20 ° C, 50% rh) and in its original packaging.

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Flexiso® VF FI 10000

Properties	Standard	Unit	Value	Value
Nominal thickness		mm	1.5	3.0
Tolerance		mm	± 0.10	± 0.10
Density	DIN 7737	g/cm ³	1.2 – 1.45	1.2 – 1.45
Humidity	DIN 7737	%	< 10.00	< 10.00
Ball pressure hardness	DIN 7737	kp/cm ²	>700.00	>700.00
Tensile strength				
MD	DIN 7737	kp/cm ²	>700.00	>700.00
CD	DIN 7737	kp/cm ²	>450.00	>450.00
Elongation at break				
MD	DIN 7737	%	>7.00	>7.00
CD	DIN 7737	%	>8.00	>8.00
Conductivity of aq. ext.	DIN 7737	µs/cm	<120.00	<120.00
Electric strength	DIN 7737	kV/mm	>5.2	>5.2

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

Note:

The information in this Technical Data Sheet is based on our present knowledge and experiences. It does not release the user from conducting their own trials and examinations to determine the suitability of the product for his intended use. A legally obligatory warranty of certain characteristics or the suitability for a specific targeted application cannot be derived from our data. Depending upon individual cases we recommend consultation with us. Any patent rights as well as existing laws are to be considered by the receiver of our products as their own responsibility.

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