Dr. Dietrich Müller GmbH
Zeppelinring 18
D-26197 Ahlhorn

Tel.: +49 (0) 44 35 - 97 10 10
Fax: +49 (0) 44 35 - 97 10 11
Info@mueller-ahlhorn.com

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).
Flexiso® VF FI 10000 also meets the following permissions:
KTW
W270
WRAS
DGS/VS4

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 arc- chute, 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 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% r. h.) and in its original packaging.

Dr. Dietrich Müller GmbH
Zeppelinring 18
D-26197 Ahlhorn

Tel.: +49 (0) 44 35 - 97 10 10
Fax: +49 (0) 44 35 - 97 10 11
Info@mueller-ahlhorn.com

Flexiso® VF FI 10000

Properties	Standard	Unit	Value
Nominal thickness		mm	0.5 – 3.0
Tolerance		mm	± 0.10
Density	DIN 7737	g/cm³	1.2 – 1.45
Humidity	DIN 7737	%	< 10.00
Ball pressure hardness	DIN 7737	kp/cm²	>700.00
Tensile strength			
MD	DIN 7737	kp/cm²	>700.00
CD	DIN 7737	kp/cm²	>450.00
Elongation at break			
MD	DIN 7737	%	>7.00
CD	DIN 7737	%	>8.00
Conductivity of aq. ext.	DIN 7737	µs/cm	<120.00
Electric strength	DIN 7737	kV/mm	>5.2

Please note: The information in this data sheet is based on our current knowledge and experience. They do not disengage the fabricator and 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.