

VOLTAFLEX[®] 3800

Composition

VOLTAFLEX[®] 3800 is a three-ply flexible insulating material consisting of PET-fleece – PET-film – PET-fleece. (DMD) The used adhesive is acid-free and temperature resistant.

Application

VOLTAFLEX[®] 3800 can be used e. g. as phase insulation in low voltage machines.

Properties

VOLTAFLEX[®] 3800 has excellent electrical and mechanical properties. The PET-fleece is porous and compressible. The PET-fleece absorbs resin when impregnated.

Formats

Rolls: untrimmed width max. 1000mm
Tapes: from 6 mm width upwards

Storability

Originally packed, VOLTAFLEX[®] 3800 can be stored unlimited under normal conditions (RT, 50 % r. h.).

All information given here is based on currently available facts and on the results of experiments performed with all due care in our laboratories. It does not in any way reduce the responsibility of the user for carrying out further tests in order to ensure successful processing and use in specific applications.

VOLTAFLEX® 3800

TECHNICAL DATA

Properties	Test method	Unit	Value	Value
Nominal thickness	IEC 60626	mm	0.34	0.36
Tolerance	IEC 60626	%	± 15	± 15
Total substance	IEC 60626	g/m ²	210	245
PET-film		µm	100	125
Breakdown voltage	IEC 60626	kV	≥ 9	≥ 10
Tensile strength MD	IEC 60626	N/10mm	≥120	≥140
Thermal classification	IEC 60216	°C		130 – 155

VOLTAFLEX® 3800 is based on the preliminary sample product VOLTAFLEX 13E134

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