

# VOLTAFLEX<sup>®</sup> 2598

## Composition

VOLTAFLEX<sup>®</sup> 2598 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.

## Properties

VOLTAFLEX<sup>®</sup> 2598 has excellent electrical and mechanical properties. The PET-fleece is porous and absorbs resin when impregnated.

## Application

VOLTAFLEX<sup>®</sup> 2598 can be used e. g. as slot and phase insulation in low voltage machines or as interlayer insulation in transformers.

## Formats

Sheets: untrimmed width 1000mm, length on request  
Rolls: untrimmed width max. 1840mm  
Tapes: from 5 mm width upwards, roll length on request.

## Storability

Originally packed, VOLTAFLEX<sup>®</sup> 2598 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.

## Technical Data VOLTAFLEX® 2598

Properties	Test method	Unit	Value	Value	Value
Nominal thickness	IEC 60626	mm	0.13	0.14	0.15
Tolerance	IEC 60626	%	± 15	± 15	± 15
Total substance	IEC 60626	g/m <sup>2</sup>	108	126	146
PET-film		µm	23	36	50
Breakdown voltage unfolded	IEC 60626	kV	≥ 4	≥ 5	≥ 6
Tensile strength MD TD	IEC 60626	N/10mm N/10mm	≥ 50 ≥ 40	≥ 100 ≥ 80	≥ 110 ≥ 90
Tensile strength after folding MD TD	IEC 60626	N/10mm N/10mm	≥ 35 ≥ 30	≥ 80 ≥ 60	≥ 90 ≥ 70
Thermal classification	IEC 60626 UL 1446	°C	130 155		
Colour			white		

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## Technical Data VOLTAFLX<sup>®</sup> 2598

Properties	Test method	Unit	Value	Value	Value	Value
Nominal thickness	IEC 60626	mm	0.18	0.20	0.23	0.28
Tolerance	IEC 60626	%	± 15	± 15	± 15	± 15
Total substance	IEC 60626	g/m <sup>2</sup>	181	216	251	321
PET-film		µm	75	100	125	175
Breakdown voltage	IEC 60626	kV	≥ 7	≥ 9	≥ 10	≥ 14
Tensile strength MD TD	IEC 60626	N/10mm N/10mm	≥ 140 ≥ 105	≥ 160 ≥ 120	≥ 200 ≥ 150	≥ 250 ≥ 200
Tensile strength after folding MD TD	IEC 60626	N/10mm N/10mm	≥ 105 ≥ 90	≥ 120 ≥ 100	≥ 150 ≥ 120	≥ 170 ≥ 130
Thermal classification	IEC 60626 UL 1446	°C	130 155			
Colour			white			
Properties	Test method	Unit	Value	Value	Value	Value
Nominal thickness	IEC 60626	mm	0.29	0.35	0.40	0.45
Tolerance	IEC 60626	%	± 15	± 10	± 10	± 10
Total substance	IEC 60626	g/m <sup>2</sup>	341	426	484	566
PET-film		µm	190	250	300	350
Breakdown voltage	IEC 60626	kV	≥ 15	≥ 18	≥ 20	≥ 22
Tensile strength MD TD	IEC 60626	N/10mm N/10mm	≥ 300 ≥ 200	≥ 350 ≥ 300	≥ 370 ≥ 320	≥ 400 ≥ 350
Tensile strength after folding MD TD	IEC 60626	N/10mm N/10mm	≥ 200 ≥ 150	≥ 300 ≥ 200	≥ 320 ≥ 220	≥ 350 ≥ 250
Thermal classification	IEC 60626 UL 1446	°C	130 155			
Colour			white			

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