

## **VOLTAFLEX® 2526**

### Composition:

VOLTAFLEX® 2526 is a three-ply flexible insulating material consisting of PET-fleece – PET-film – PET-fleece. The used adhesive is acid-free and temperature resistant.

### Properties:

VOLTAFLEX® 2526 has excellent electrical and mechanical properties. The PET-fleece is porous and compressible. The PET-fleece absorbs resin when impregnated.

### Application:

VOLTAFLEX® 2526 can be used e. g. as phase insulation in low voltage machines.

### Formats:

Rolls: untrimmed width max. 1000mm  
Tapes: from 10 mm width upwards

### Storability:

VOLTAFLEX® 2526 can be stored unlimited under normal conditions (20° C, 50 % r. h.).

Technical Data

<b>VOLTAFLEX® 2526</b>						
<b>Properties</b>	<b>Test-method</b>	<b>Unit</b>	<b>Value</b>	<b>Value</b>	<b>Value</b>	<b>Value</b>
Nominal thickness		mm	0.28	0.30	0.32	0.34
Tolerance	IEC 626	mm	± 0.03	± 0.03	± 0.03	± 0.03
Total substance	IEC 626	g/m <sup>2</sup>	120	140	175	210
PET-film		µm	36	50	75	100
Breakdown voltage	IEC 626	kV	≥ 6	≥ 6	≥ 7	≥ 9
Tensile strength MD TD	IEC 626	N/10mm N/10mm	≥70 ≥70	≥80 ≥80	≥140 ≥105	≥160 ≥120
Tensile strength after folding MD TD	IEC 626	N/10mm N/10mm	≥50 ≥50	≥70 ≥70	≥105 ≥90	≥120 ≥100
Thermal classification	IEC 216 UL 1446	°C	130 – 155 155			

Technical Data

<b>VOLTAFLEX® 2526</b>					
<b>Properties</b>	<b>Test-method</b>	<b>Unit</b>	<b>Value</b>	<b>Value</b>	<b>Value</b>
Nominal thickness		mm	0.36	0.42	0.47
Tolerance	IEC 626	mm	± 0.04	± 0.04	± 0.04
Total substance	IEC 626	g/m <sup>2</sup>	245	335	420
PET-film		µm	125	190	250
Breakdown voltage	IEC 626	kV	≥ 10	≥ 15	≥ 18
Tensile strength MD TD	IEC 626	N/10mm N/10mm	≥200 ≥150	≥300 ≥200	≥350 ≥300
Tensile strength after folding MD TD	IEC 626	N/10mm N/10mm	≥150 ≥120	≥200 ≥150	≥300 ≥200
Thermal classification	IEC 216	°C	130 – 155		