

VOLTAFLEX® DMD3 0180

DMD100 with 3 mil PET-fleece

Composition

VOLTAFLEX® DMD3 0180 consists of PET-film covered on both sides with PET-fleece. The nonwoven is fully saturated with a high temperature resin which is acid-free and temperature resistant.

Properties

VOLTAFLEX® DMD3 0180 has excellent electrical and mechanical properties. The smooth surface of VOLTAFLEX® DMD3 0180 enables easy processing on automatic machines.

Application

VOLTAFLEX® DMD3 0180 is used as slot and phase insulation for low voltage machines or as interlayer insulation for transformers up to 180°C.

Formats

Rolls: max. untrimmed width 39.4 inches
Tapes: from 0.4 inches width upwards

Shelf Life

VOLTAFLEX® DMD3 0180 can be stored unlimited under normal conditions (20°C, 50% r. h.).

Technical Data

VOLTALEX® DMD3 0180							
Properties	Test method	Unit	Value	Value	Value	Value	Value
Composite			3-3-3	3-5-3	3-7.5-3	3-10-3	3-14-3
Composite thickness	ASTM D374	inches	0.009	0.011	0.013	0.016	0.02
Product yield	ASTM D202	Sq.Yds./Lb	2.13	1.67	1.31	1.08	0.85
Dielectric strength	ASTM D149	kV	≥ 9	≥ 12	≥ 15	≥ 20	≥ 22
Tensile strength MD XD	ASTM D828	Lbs. / In Lbs. / In	≥ 78 ≥ 59	≥ 168 ≥ 140	≥ 168 ≥ 112	≥ 230 ≥ 230	≥ 252 ≥ 280
Thermal classification	UL 1446	°C	180				
Color			white				