

VOLTAFLEX® 3F 6641

DMD100 with 3 mil PET-fleece

Composition

VOLTAFLEX® 3F 6641 consists of PET-film covered on both sides with PET-fleece (DMD) impregnated with high grade temperature resistant resin.

Properties

VOLTAFLEX® 3F 6641 has excellent electrical and mechanical properties. The smooth surface of VOLTAFLEX® 3F 6641 enables easy processing on automatic machines.

Application

VOLTAFLEX® 3F 6641 is used as slot and phase insulation for low voltage machines or as interlayer insulation for transformers.

Formats

Rolls: max. untrimmed width 39.4 inches; trimmed 38.6 inches

Tapes: from 0.4 inches width upwards

Shelf Life

VOLTAFLEX® 3F 6641 can be stored unlimited under normal conditions (20°C, 50% r. h.).

Technical Data

VOLTAFLEX® 3F 6641							
Properties	Test-method	Unit	Value	Value	Value	Value	Value
Composite			3-1-3	3-2-3	3-3-3	3-4-3	3-5-3
composite thickness	ASTM D-374	inches	0.007	0.008	0.009	0.010	0.011
Product Yield	ASTM D-202	Sq.Yds./ Lb	3.37	2.77	2.35	2.04	1.80
Dielectric strength	ASTM D-149	kV	≥ 4	≥ 6	≥ 7	≥ 9	≥ 10
Tensile strength MD TD	ASTM D-828	Lbs. / In Lbs. / In	≥ 28 ≥ 17	≥ 53 ≥ 48	≥ 67 ≥ 59	≥ 84 ≥ 70	≥ 101 ≥ 84
Thermal classification	UL 1446	°C	155				
Color			Light blue				

Properties	Test-method	Unit	Value	Value	Value	Value
Composite			3-7.5-3	3-10-3	3-12-3	3-14-3
composite thickness	ASTM D-374	inches	0.013	0.016	0.018	0.020
Product Yield	ASTM D-202	Sq.Yds./ Lb	1.39	1.14	0.99	0.88
Dielectric strength	ASTM D-149	kV	≥ 14	≥ 18	≥ 20	≥ 22
Tensile strength MD TD	ASTM D-828	Lbs. / In Lbs. / In	≥ 151 ≥ 112	≥ 179 ≥ 157	≥ 196 ≥ 179	≥ 207 ≥ 196
Thermal classification	UL 1446	°C	155			
Color			Light blue			