



TECHNICAL DATA SHEET

6600 – DMD100

CLASS F 155°C Insulation

A series of flexible composites composed of non-woven polyester fiber mat and electrical grade polyester film laminated with a high-temperature adhesive system. 6600 DMD100 laminates are filled 100% with resin, providing a smooth, varnish-like surface.

APPLICATIONS

- Suitable for automatic slot insertion due to 100% adhesive saturation.
- Slot, liner, phase and turn-to-turn insulation for motors and generators.
- Layer and ground insulation for dry-type transformers

CATALOG NUMBER	NOMINAL THICKNESS (in)	DIELECTRIC STRENGTH (kV)	YIELD		TENSILE STRENGTH (psi)	
			yd ² /lb	lb/yd ²	MD	XMD
DMD100222	.006	6	3.8	0.26	46	46
DMD100242	.008	9	2.4	0.41	80	69
DMD100252	.009	12	1.8	0.55	109	97
DMD10027H2	.0115	15	1.8	0.57	154	114
DMD1002102	.014	18	1.3	0.78	183	171
DMD1002142	.016	20	1.1	0.92	194	183
DMD10037H3	.0135		1.0	1.0	270	200
DMD1003103	.016	22	1.0	1.0	211	200
DMD1003143	.020	24	0.9	1.1	223	211

STORAGE

- Shelf life: one (1) year from the date of shipment.
- Store in a clean area free from exposure to excessive heat, moisture or direct sunlight (50°F to 80°F).

Product performance will vary in each application and is dependent upon composite construction. Arlon Innovations does not guarantee the replication of this data by third parties. None of the data or statements contained herein is intended to warrant the performance of this product. Data is representative and not intended as a manufacturing specification.