



THE GUND COMPANY

MANUFACTURERS & FABRICATORS OF ENGINEERED MATERIAL SOLUTIONS

DMD 70 & 100

Item:	Dacron/Mylar/Dacron (70 & 100)
Description:	Dacron/Mylar/Dacron (DMD) is a series of flexible composites of non-woven polyester mat and electrical grade polyester film, laminated with a high temperature polyester adhesive system. DMD 70 is 70% filled with resin and has a porous, fibrous surface. DMD 100 is 100% filled with resin, providing a smooth, varnish-like surface.
Features:	UL 1446 (155°C and 180°C) recognized insulation systems, file E60273; MIL-I-22834 & MIL-E-917 D (Navy) certified. Excellent electrical properties and thermal stability, retained flexibility, high tear, tensile, and burst strengths. Excellent moisture and chemical resistance, excellent chemical properties, saturable with resins or varnishes, and cut-through resistant.
Applications:	<ul style="list-style-type: none"> - Phase insulation for random wound motors - Excellent slot cell insulation for random and form wound rotating apparatus, manual, or automatic insertion - Layer and barrier insulation for dry-type transformers - Thermal protection devices

Dacron/Mylar/Dacron 70

Key Characteristics	Units - English (SI)	70222	70323	70333	70353	
Nominal Thickness	in (mm)	0.006 (0.152)	0.008 (0.203)	0.009 (0.229)	0.011 (0.279)	
Dielectric Strength	Volts	7,300	7,500	9,500	12,500	
Tensile Strength	MD	lbs/in	60	70	90	140
	CMD		60	60	90	125
Graves Tear Strength	MD	lbs	6	10	13	16
	CMD		4	6	8	13
Dielectric Constant, 60 Hz	--	2.7	2.2	2.5	2.6	
Dissipation Factor, 60 Hz	--	0.009	0.004	0.005	0.005	
Volume Resistivity	Ohms-cm	10 ¹⁵	10 ¹⁵	10 ¹⁵	10 ¹⁵	
Surface Resistivity	Ohms	10 ¹³	10 ¹³	10 ¹³	10 ¹³	

Dacron/Mylar/Dacron 100

Key Characteristics	Units	100222	100353	10037H3	1003103	1003143	100555	1005145
Nominal Thickness	in (mm)	0.006 (0.152)	0.011 (0.279)	0.014 (0.355)	0.016 (0.406)	0.020 (0.508)	0.015 (0.381)	0.024 (0.609)
Dielectric Strength	Volts	7,500	12,000	15,000	18,000	19,600	12,500	25,500
Tensile Strength	MD	lbs/in	80	160	190	250	310	290
	CMD		70	127	180	240	300	140
Graves Tear Strength	MD	lbs	8	18	25	34	42	16
	CMD		5	13	20	29	38	15
Dielectric Constant, 60 Hz	--	3.68	3.68	3.68	3.68	3.68	3.68	3.68
Dissipation Factor, 60 Hz	--	0.0116	0.0116	0.0116	0.0116	0.0116	0.0116	0.0116
Volume Resistivity	Ohms-cm	10 ¹⁶	10 ¹⁶	10 ¹⁶	10 ¹⁶	10 ¹⁶	10 ¹⁶	10 ¹⁶
Surface Resistivity	Ohms	10 ¹³	10 ¹³	10 ¹³	10 ¹³	10 ¹³	10 ¹³	10 ¹³

Data supplied above are typical values and are not to be considered specification values. All of the information, suggestions and recommendations pertaining to the properties and uses of the products herein are based upon tests and data believed to be accurate; however, the final determination regarding suitability of any material described herein for the contemplated application, the manner of such use, and whether the use infringes any patents is the sole responsibility of the user. There is no warranty, expressed or implied, including, without limitation warranty of merchantability or fitness for a particular purpose. Under no circumstances shall we be liable for incidental or consequential loss or damage.