

SOFLEX[®] DMD100F

SOFLEX[®] DMD100F 是一种柔软复合材料，由聚酯薄膜涂以胶粘剂，两面粘合聚酯纤维非织布(无纺布)而成的三层绝缘纸。绝缘等级属于 F 级(155~180℃)。

SOFLEX[®] DMD100F comprise of polyester film coating adhesive bonding and two sides of adhesive non-woven of three layers of insulating paper. Insulation class belongs to the class F (155~180℃)。

1 应用提示 Application remarks

SOFLEX[®] DMD100F 集合了无纺布良好的浸渍性能和聚酯薄膜良好的介电强度，广泛适用电气设备，适用于 F~H 级电机的槽间绝缘、匝间绝缘和衬垫绝缘。

SOFLEX[®] DMD100F collection of dipping properties and non-woven polyester film good dielectric strength, widely used electrical equipment, applicable F~H the slot insulation, electrical insulation and the turn-to-turn liners insulation.

2 技术要求 Performance Requirements

2.1 外观 Appearance

表面应均匀、无起毛、和无气泡、针孔、皱折及瑕疵之类缺陷

Surface of materials is uniformity ,velvet and haven't air bubble, pinhole, goffer and blemish etc.

2.2 性能要求 Performance requirements

表 1: SOFLEX[®] DMD100F 性能要求

Table 1: The standard values of SOFLEX[®] DMD100F

序号	指称名称 Properties	单位 Units	指标值 Values								
1	标称厚度 Nominal thickness	mm	0.13	0.16	0.18	0.20	0.25	0.30	0.35	0.40	0.47
2	厚度公差 Thickness tolerance	mm	±0.02	±0.02	±0.02	±0.03	±0.03	±0.03	±0.04	±0.04	±0.05
3	标称定量 Nominal grammage	g/m ²	110	140	190	220	260	350	425	500	560
4	定量公差 Grammage tolerance	g/m ²	±13	±20	±28	±33	±39	±52	±63	±75	±84
5	薄膜标称厚度 Film nominal thickness	um	25	50	75	100	125	190	250	300	350
6	拉伸强度(纵向) Tensile strength (MD)	N/10mm	≥84	≥80	≥100	≥120	≥150	≥170	≥200	≥300	≥370
7	拉伸强度(横向) Tensile strength (XD)	N/10mm	≥56	≥80	≥90	≥100	≥130	≥150	≥180	≥220	≥350
8	伸长率(纵向) Elongation (MD)	%	≥10	≥10	≥10	≥10	≥10	≥5	≥5	≥5	≥5
9	伸长率(横向) Elongation (XD)	%	≥15	≥15	≥15	≥15	≥15	≥5	≥5	≥5	≥5
10	击穿电压 Electric breakdown voltage	KV	≥4	≥6	≥7	≥9	≥11	≥12	≥13	≥16	≥22
11	热态粘结 180±2℃ 10Min Bond strength at 180±2℃ 10Min		不分层、不起泡、不流胶 No delamination,no blister,no adhesive flow								

3 试验方法 Test methods

按 GB/T5591.2-2002 《电气绝缘用柔软复合材料第 2 部分：试验方法》中有关规定进行。

All test should be in accordance with the GB/T5591.2-2002 .

4 使用 Handling

4.1 检验 Inspection

出厂项目按 2.1 和 2.2。

The inspection items for routine test shall include Clause 2.1 and 2.2.

4.2 包装 Packing

包装内层为塑料薄膜，外层用纸箱包装。

Each roll shall be wrapped by plastic bag and packed by paper box.

4.3 贮存 Storage

SOFLEX® DMD100F 贮存在室温条件下的干燥洁净的室内，不得靠近火源、暖气及受日光直射。贮存期为 12 个月，若超过贮存期按技术标准检验合格仍可使用。

SOFLEX® DMD100F storage at room temperature under dry and clean room, Keep away from fire,heat and directly sun hine, after 12 months of storage,it should be tested and pass all specification before use.

深圳市优博尔科技有限公司

地址：深圳市宝安区西乡大道华源商务中心716号

工厂地址：东莞长安镇上角社区上振二路1号

电话：0755-27918301 传真：0755-27918003

邮箱：Hepburn@youboer.com