

1 产品介绍 Introduction

SOFLEX[®] NMN100/F是三层的柔软复合材料,外面两层是杜邦公司Nomex[®]绝缘纸,内层为聚酯薄膜。
SOFLEX[®] NMN100/F is a kind of flexible insulation paper which is comprised of two layers of DuPont Nomex[®] brand paper and a layer of polyester film.

2 特性 Features

- 优良耐温性能及机械性能。Superior thermal properties and mechanical properties.
- 抗延伸撕裂强度及聚酯薄膜的优良介电强度。
Tearing resistance as well as the excellent dielectric strength.
- 绝缘等级属F级(155℃).Insulation Class is F(155℃).

3 应用 Application

适用于F级电机的槽间绝缘,匝间绝缘和衬垫绝缘。

It is suitable for insulation of slot,phase,turn-to-turn and liner of F class motors and generators.

4 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.

5 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.

6 贮存 Storage

- SOFLEX[®] NMN100/F贮存在室温条件下的干燥洁净的室内。
SOFLEX[®] NMN100/F should be stored in dry and clean environment at room temperature.
- 不得靠近火源、暖气及受日光直射。Keep away from fire, heat and directly sunshine.
- 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。
After 12 months of storage, it should be tested and pass all specification before use.

7 技术参数 Material Properties

SOFLEX [®] NMN100/F													
序号 NO.	指标名称 Properties	单位 Units	指标值 Values										
1	标称厚度 Nominal thickness	mm	0.14	0.17	0.18	0.20	0.24	0.25	0.30	0.35	0.37	0.40	0.47
2	厚度允差 Thickness tolerance	mm	±0.01	±0.02	±0.02	±0.03	±0.03	±0.03	±0.04	±0.04	±0.04	±0.04	±0.05
3	标称定量 Nominal grammage	g/m ²	140	170	210	240	260	300	350	430	560	520	590
4	定量允差 Grammage tolerance	g/m ²	±17	±20	±30	±30	±35	±40	±50	±50	±55	±60	±70
5	薄膜标称厚度 Film nominal thickness	um	25	50	75	100	125	140	190	250	265	300	350
6	拉伸强度(纵向) Tensile strength(MD)	N/10mm	≥100	≥160	≥170	≥190	≥220	≥230	≥270	≥330	≥340	≥360	≥400
7	拉伸强度(横向) Tensile strength(XD)	N/10mm	≥80	≥90	≥105	≥120	≥150	≥180	≥200	≥300	≥310	≥330	≥350
8	伸长率(纵向) Elongation(MD)	%	≥15	≥15	≥15	≥15	≥20	≥20	≥20	≥20	≥20	≥20	≥20
9	伸长率(横向) Elongation(XD)	%	≥20	≥20	≥20	≥20	≥20	≥20	≥25	≥25	≥25	≥25	≥25
10	击穿电压 Electric breakdown voltage	KV	≥6	≥8	≥11	≥12	≥14	≥14	≥19	≥23	≥24	≥25	≥28
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										
12	外观 Apperance		表面应均匀、光滑、和无气泡、针孔、皱瑕疵之类缺陷 Surface of materials is uniformity, velvet and haven't air bubble, pinhole, goffer and blemish etc.										

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