



惠州市富威绝缘材料科技有限公司

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NMN是三层的柔软复合材料，外面两层是杜邦公司的杜邦绝缘纸，内层为聚酯薄膜。

NMN comprise of two layers of Du Pont's brand paper and one inner layer of polyester film.

1 应用提示Application remarks

NMN兼具杜邦纸的优良耐温性能，抗延伸撕裂强度及聚酯薄膜的优良介电强度，机械性能。适用电机的槽间绝缘，匝间绝缘和衬垫绝缘。

NMN combine the advantages of superior thermal properties and tearing resistance of Du Pont's as well as the excellent electrical and mechanical properties of polyester film. It is suitable for insulation of slot , phase , turn-to-turn and liner of motors and generators.

2 技术要求Performance Requirements

1.1 外观Appearance

表面应均匀、光滑、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.

1.2 性能要求Performance requirements

序号 NO.	指称名称 Properties	单位 Units	指标值 Values								
1	标称厚度 Nominal thickness	mm	0.14	0.15	0.18	0.20	0.23	0.25	0.30	0.35	0.38
2	厚度允差 Thickness allowed tolerance	mm	±0.01	±0.02	±0.02	±0.03	±0.03	±0.03	±0.04	±0.04	±0.04
3	标称定量 Nominal grammage	g/m ²	140	180	210	250	270	300	360	460	490
4	定量允差 Grammage allowed tolerance	g/m ²	±17	±20	±30	±30	±35	±40	±50	±50	±60
5	薄膜标称厚度 Film nominal thickness	um	50	75	100	125	150	165	200	250	300
6	拉伸强度(纵向) Tensile strength (MD)	N/10m m	≥100	≥150	≥160	≥180	≥200	≥220	≥270	≥320	≥370
7	拉伸强度(横向) Tensile strength (XD)	N/10m m	≥80	≥90	≥110	≥130	≥150	≥180	≥200	≥250	≥300
8	伸长率(纵向) Elongation (MD)	%	≥10	≥10	≥10	≥12	≥12	≥12	≥12	≥12	≥12
9	伸长率(横向) Elongation (XD)	%	≥15	≥15	≥15	≥18	≥18	≥18	≥18	≥18	≥18
10	击穿电压 Electric breakdown voltage	KV	≥6	≥7	≥10	≥11	≥12	≥13	≥15	≥18	≥22
11	热态粘结180±2℃ 10Min Bond strength at 180±2℃	不分层、不起泡、不流胶 No delamination,no blister,no adhesive flow									