



FULLCHANCE INDUSTRIAL CO.,LTD

TECHNICAL SPECIFICATIONS

QUALITY : ELECTRICAL INSULATION MATTING CONFORMING IEC CEI 61111

CODE :ELS 30000

| Sr. No. | Test | Test Method | Specification |
|-------------------------------|-----------------------------------|-------------|--|
| 1 | Specific Gravity | DIN 53508 | 1.60 ± 0.05 |
| 2 | Hardness | DIN 53505 | 70 ± 5 Sh-A |
| 3 | Tensile Strength, min | DIN 53504 | 40 kg/cm ² |
| 4 | Elongation at Break,% | DIN 53504 | 200 % |
| 5 | Polymer Type | | NR/SBR |
| Electrical Properties: | | | |
| 6 | Proof Test | | |
| | Class -0 (1.5 mm) | | 5 KV for 3 Minutes |
| | Class -1 (2 mm) | | 10 KV for 3 Minutes |
| | Class -2 (3 mm) | | 20 KV for 3 Minutes |
| | Class -3 (4 mm) | | 30 KV for 3 Minutes |
| | Class -4 (14 mm) | | 40 KV for 3 Minutes |
| 7 | Withstand Test | | |
| | Class -0 (1.5 mm) | | 10 KV - No electrical puncture |
| | Class -1 (2 mm) | | 20 KV - No electrical puncture |
| | Class -2 (3 mm) | | 30 KV - No electrical puncture |
| | Class -3 (4 mm) | | 40 KV - No electrical puncture |
| 8 | Mechanical Puncture Resistance | | Minimum 70 N |
| 9 | Ageing Test | | Puncture resistance should be minimum 80% of original value (i.e. 126.54 N) |
| 10 | Acid Test | | |
| | a) Withstand Test | | 10 KV - No electrical puncture |
| | b) Mechanical Puncture Resistance | | Puncture resistance should be minimum 75 % of original value (i.e. 126.54 N) |
| 11 | Oil Test | | |
| | a) Withstand Test | | 10 KV - No electrical puncture |
| | b) Mechanical Puncture Resistance | | Puncture resistance should be minimum 75 % of original value (i.e. 126.54 N) |
| 12 | Slip Resistance Test | | Avg. Force higher than 50 N |
| 13 | Colour | | Grey / Blue / Yellow / Black |

Products that this data relates to available in China from:

FULLCHANCE INDUSTRIAL CO.,LTD

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