



# FULLCHANCE INDUSTRIAL CO.,LTD

## TECHNICAL SPECIFICATIONS

### QUALITY : NR ELECTRICAL INSULATION RUBBER MATTING

### CODE : ELM 50000

| PROPERTIES                               | TEST METHOD        | VALUES                   | TEST METHOD | VALUES                   |
|--|--------------------|--------------------------|-------------|--------------------------|
|  |                    | FPS UNITS                |             | METRIC UNITS             |
| SPECIFIC GRAVITY                         | ASTM D297          | 1.75                     | DIN 53508   | 1.75                     |
| HARDNESS                                 | ASTM D2240         | 70 ± 5 Sh A              | DIN 53505   | 70 ± 5 Sh A              |
| TENSILE STRENGTH ( min )                 | ASTM D412          | 710 PSI                  | DIN 53504   | 50 kg/cm <sup>2</sup>    |
| ELONGATION AT BREAK ( min )              | ASTM D412          | 250%                     | DIN 53504   | 250%                     |
| ABRASION RESISTANCE ( max )              | ASTM D5963         | 400 mm <sup>3</sup>      | DIN 53516   | 400 mm <sup>3</sup>      |
| COMPRESSION SET ( 70 ° C/24 hrs/25% set) | ASTM D395 METHOD B | 50%                      | DIN 53517   | 50%                      |
| TEAR RESISTANCE ( Angular ) min          | ASTM D624          | 101 Lbs/Inch             | DIN 53515   | 18 Kg/cm                 |
| CHANGE IN PROPERTIES                     |                    |                          |             |                          |
| HEAT AGEING ( 72 hrs. AT 70 ° C )        | ASTM D573          |                          |             |                          |
| --- HARDNESS (Pts)                       |                    | + 5 (Max)                |             | + 5 (Max)                |
| --- TENSILE STRENGTH (%)                 |                    | +10 / - 20               |             | +10 / - 20               |
| --- ELONGATION AT BREAK (%)              |                    | +10 / -20                |             | +10 / -20                |
| VOLUME SWELL : AT 70° C FOR 72 HRS/IN    | ASTM D 471         |                          |             |                          |
| ASTM OIL NO.1                            |                    | N.A.                     |             | N.A.                     |
| ASTM OIL NO.2                            |                    | N.A.                     |             | N.A.                     |
| ASTM OIL NO.3                            |                    | N.A.                     |             | N.A.                     |
| <b>CHEMICAL RESISTANCE</b>               |                    |                          |             |                          |
| --- OZONE                                | ASTM D 1149        | FAIR                     |             | FAIR                     |
| --- DILUTE ACIDS AND BASES               |                    | FAIR                     |             | FAIR                     |
| --- CONCENTRATED ACIDS AND BASES         |                    | NOT RECOMMENDED          |             | NOT RECOMMENDED          |
| --- OILS                                 |                    | NOT RECOMMENDED          |             | NOT RECOMMENDED          |
| --- SOLVENTS                             |                    | NOT RECOMMENDED          |             | NOT RECOMMENDED          |
| TEMPERATURE RANGE                        |                    | -30 ° to + 70° C         |             | -30 ° to + 70° C         |
| COLOUR                                   |                    | GREY                     |             | GREY                     |
| <b>ELECTRICAL INSULATION</b>             |                    |                          |             |                          |
| PROOFTEST VOLTAGE                        | IS 15652           | WITHSTAND 50KV FOR 1 MIN |             | WITHSTAND 50KV FOR 1 MIN |
| BREAKDOWN VOLTAGE                        | IS 15652           | NO SPEC                  |             | NO SPEC                  |

Products that this data relates to available in China from:

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