## ABOUT THIS

 PRODUCTNomex® type 410 is a
calendared insulation paper
which offers high dielectric
strength, high operating temperature range, mechanical toughness,
flexibility and resilience..

## FEATURES AND BENEFITS

- Flexible
- High dielectric strength
- Good resistance to chemicals and solvents
- Good electrical properties
- Tear resistant
- Self-extinguishing


## APPLICATIONS

- Slot insulation
- Phase insulation
- Interlayer insulation
- Outer layer insulation
- High temperature applications


## MATERIAL DATA

| Product Code | 56 |
| :---: | :---: |
| Material | Synthetic Paper |
| Standard Colour | Natural |
| Operating Temperature $-{ }^{\circ} \mathrm{C}$ | 220 (maintain 12 kV dielectric strength <br> for several hours at $400{ }^{\circ} \mathrm{C}$ ) |
| Dielectric Strength $-\mathrm{kV} / \mathrm{mm}$ | See technical specification |
| Tensile Strength $-\mathrm{kg} / \mathrm{cm}$ | See technical specification |
| Relevant Specification | UL approved - File No. E34739 |

## TECHNICAL TABLE

| Nominal Thickness (mm) | Dielectric Strength <br> (kV) | Tensile Strength <br> ( $\mathrm{N} / \mathrm{cm}$ ) |  | Elongation <br> (\%) |  | Initial Tear Strength <br> (N) |  | Shrinkage at $300^{\circ} \mathrm{C}$ <br> (\%) |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 0.13 | 27 | MD | 137 | MD | 15 | MD | 33 | MD | 0.9 |
|  |  | XD | 66 | XD | 12 | XD | 17 | XD | 0.0 |
| 0.18 | 33 | MD | 219 | MD | 18 | MD | 50 | MD | 0.6 |
|  |  | XD | 111 | XD | 14 | $X D$ | 27 | XD | 0.2 |
| 0.25 | 32 | MD | 285 | MD | 19 | MD | 71 | MD | 0.4 |
|  |  | $X D$ | 152 | $X D$ | 15 | XD | 42 | $X D$ | 0.1 |
| 0.37 | 33 | MD | 459 | MD | 19 | MD | 116 | MD | 0.3 |
|  |  | XD | 252 | XD | 14 | $X D$ | 74 | XD | 0.2 |

