



# CeQUIN I , II

## 無機絶縁紙

### 製品概要

3M™ CeQUIN I, IIはグラスファイバーを主成分とし有機物比率を10%未満に抑えた無機絶縁紙です。無機材料由来の高い熱的安定性と高いファイバー比率による良好な液体含浸性を併せ持つ材料です。

### 製品特長

- ・高い液体含浸性
- ・低い吸湿率
- ・高い熱伝導性
- ・高い熱的安定性
- ・CeQUIN I 安定した耐熱性と絶縁性を持ち合わせております。
- ・CeQUIN II CeQUIN I に対して強度と絶縁性を高めております。また厚めのラインナップとなっております。

### 製品用途

- ・乾式トランス、コイル、リアクター用絶縁紙、モーター、発電機用絶縁紙

### 代表特性値

|           | ASTM              | Test Method | CeQUIN I |       |        |        |        | CeQUIN II |        |        |        |
|-----------|-------------------|-------------|----------|-------|--------|--------|--------|-----------|--------|--------|--------|
|           |                   |             | 5 mil    | 7 mil | 10 mil | 15 mil | 25 mil | 30 mil    | 30 mil | 40 mil | 60 mil |
| 厚さ        | mm                | D-645       | 0.13     | 0.18  | 0.25   | 0.38   | 0.63   | 0.76      | 0.75   | 1.0    | 1.5    |
| 坪量        | g/m <sup>2</sup>  | D-202       | 125      | 185   | 271    | 413    | 706    | 814       | 814    | 1140   | 1629   |
| 密度        | g/cm <sup>3</sup> |             | 0.98     | 1.04  | 1.07   | 1.08   | 1.11   | 1.07      | 1.07   | 1.12   | 1.07   |
| 引張強度 (MD) | N/cm              | D-828       | 11       | 16    | 21     | 28     | 35     | 40        | 89     | 96     | 107    |
| 伸び (MD)   | %                 | D-828       | <2       | <2    | <2     | <2     | <2     | <2        | <2     | <2     | <2     |
| 絶縁破壊強度    | kV                | D-149       | 1.0      | 1.3   | 1.8    | 2.6    | 3.2    | 3.8       | 6.5    | 8.8    | 9.2    |
| 吸湿率       | %                 | D-644       | <1       | <1    | <1     | <1     | <1     | <1        | <1     | <1     | <1     |

ここに掲げた特性値は代表値であり規格値として用いる性格の数値ではありません。

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