

SILICONE COATED E-GLASS CLOTH – CLASS 0 RATING

| <u>Finished Fabric</u> | <u>Units</u> | <u>Value</u> | <u>Tolerance</u> |
|--------------------------|--|--------------|------------------|
| Weight | g/m ² | 460 | ±5% |
| Thickness | mm | 0.4 | ±5% |
| Useable width (standard) | mm | 1300 | ±5% |
| Roll Length (standard) | mtr | 50 | |
| Maximum operating temp. | °C | 220* | |
| Colour/Description | Silver/grey coating one side, caramelised glass fibres opposite side | | |

Base Fabric Construction

| | | | |
|------------------|------------------|----------|------|
| Weight | g/m ² | 400 | ±5% |
| Weave pattern | | 4H Satin | |
| Construction | | | |
| Warp | per cm | 19.2 | ±5% |
| Weft | per cm | 10.0 | ±5% |
| Yarn count | | | |
| Warp | Tex | EC9 136 | |
| Weft | Tex | EC9 136 | |
| Tensile strength | | | |
| Warp | N/5cm | 4800 | ±10% |
| Weft | N/5cm | 3700 | ±10% |

Treatment/Coating Details

| | | | |
|--------|------------------|----|------|
| Weight | g/m ² | 60 | ±10% |
|--------|------------------|----|------|

60g/m² of silver/grey fully cured, fire retardant silicone on one side only.

Comments

Class 0 (BS476: Part 6: 1989+A1:2009 & BS476 Part 7: 1997) having achieved a Fire propagation index, I = 2.8, and a sub index, i₁ = 1.7 for 'Part 6' and a Class 1 rating for 'Part 7'.

*Maximum continuous operating temperature is 220°C, short periods up to 250°C.

The uncoated side of this fabric is subjected to extended heating which cures the silicone further and caramelises the fibres, the resultant cloth feels firmer and is less prone to fraying during cutting/sewing than softer versions. A softer, more flexible version is also available.

Base fabric will withstand 550°C (unstressed), melting point >800°C

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