



uki is one of Europe's largest suppliers of electrical insulation materials and flexible films

**UK Insulations**  
**Product Information**

# Silicone Self Amalgamating Tape

| TYPICAL PROPERTIES                                    | TEST METHOD               | PERFORMANCE                      |
|---|---------------------------|----------------------------------|
| OPERATING TEMP RANGES<br>CONTINUOUS<br>INTERMITTENT   |                           | -45°C TO 200°C<br>-65°C TO 260°C |
| SPECIFIC GRAVITY                                      | ASTM D792                 | 1.2 ± 0.3                        |
| HARDNESS, DUROMETER, SHORE A<br>ROOM-CURED – 24 HOURS | ASTM D412                 | 55 ±5                            |
| TENSILE STRENGTH                                      | ASTM D412                 | 700 PSI MIN                      |
| ELONGATION  | ASTM D412                 | 300% MIN                         |
| TEAR STRENGTH   | ASTM D624, DIE B          | 60PPI MIN                        |
| BOND STRENGTH   | MIL-I-46852               | 2LBS MIN                         |
| ADHESION, UNWIND                                      | ASTM D2148                | 3IN. MIN                         |
| COLD BRITTLE POINT                                    | ASTM D2137                | -54°C                            |
| WATER ABSORPTION BY WEIGHT                            | FED. STD. 601, METH. 6251 | 5% MAX                           |
| DIELECTRIC STRENGTH                                   | ASTM D149                 | 400VPM MIN                       |
| DIELECTRIC CONSTANT 1KH <sup>3</sup>                  | ASTM D150                 | 2.95                             |
| DISSIPATION FACTOR 1KH <sup>3</sup>                   | ASTM D150                 | <0.0004                          |
| VOLUME RESISTIVITY                                    | ASTM D257                 | 1 X 10 <sup>13</sup> OHMS/CM MIN |

## General performance properties

|                       |           |                        |           |
|-----------------------|-----------|------------------------|-----------|
| MOISTURE RESISTANCE   | EXCELLENT | UV RESISTANCE          | EXCELLENT |
| ELECTRICAL INSULATION | EXCELLENT | OZONE RESISTANCE       | EXCELLENT |
| RESILLIENCE           | EXCELLENT | CORROSION RESISTANCE   | EXCELLENT |
| HIGH TEMPERATURES     | EXCELLENT | SOLVENT RESISTANCE     | GOOD      |
| FLAME RESISTANCE      | GOOD      | ACID RESISTANCE        | GOOD-FAIR |
| ABRASION RESISTANCE   | GOOD      | OIL RESISTANCE         | GOOD-FAIR |
| TEAR RESISTANCE       | GOOD      | HYDROCARBON RESISTANCE | GOOD-FAIR |

