

# TAPECONCURRENT

## Technical Datasheet

### 5540A-5549A Self amalgamating silicone tape

#### **Description**

5540A is a self-amalgamating, insulating tape material that forms a permanent, waterproof, UV-resistant and airtight seal when cured. This easy-to-use flexible tape stretches around uneven shapes and forms and can be used for automotive, marine, electrical plumbing, sealing, insulating and general purpose application.

#### **Adhesive**

No Adhesive

#### **Carrier**

Silicone (white, black, red, transparent)

#### **Liner**

Polyethylene

#### **Applications**

- Automotive, marine, electrical, plumbing, sealing, insulating and general purpose application
- Water, hose and pipe repair, weatherproofing electrical connections, bundling wires, plumbing reparations etc.
- For making watertight seals
- Compatible with a wide range of substrates
- Do not use on gas pipes or connections
- Good abrasion and tear properties
- Can be used for electrical applications due to its excellent properties.

#### **Technical details**

Total Thickness:	0,50 mm
Tensile strength:	4.82 MPa
Elongation:	300%
Volume resistivity:	3 x 10 <sup>14</sup> ohm - cm
Dielectric strength	16kV/mm
Service temperature range	-45°C to +200°C
Short term service temperature range	-65°C to +260°C
Moisture, UV, ozone resistance	Excellent
Flame and solvent resistance	Good
Acid, oil and hydrocarbon resistance	Good-Fair

### **Usage**

Temperature: between 0°C and + 35°C. The tape can be applied in wet, non-oily conditions, although dry surfaces conditions are suggested the best performance. Hold the tape in position and apply a complete wrap back onto itself. This initial wrap secures the tape for additional wraps. Maintain a constant stretch as you continue to wrap, making sure each new layer "half laps" onto the previous layer. The overlaps will fuse together. The end of the final wrap must be pressed down onto prior wraps, using less stretch. For pressure applications, stretch to the maximum and apply several tight layers. 5540A layers begin to vulcanise immediately, forming a permanent, cohesive bond within 24h. Repositioning is not recommended after 2 minutes of wrapping.

### **Storage and shelf life**

Clean and dry in a well-ventilated area, protected from dust and direct sunlight, preferably at a temperature between +10°C to +30°C. Stored under these conditions shelf life will be a minimum of 1 year.