

# DUPRON



## A unique/ heat shrinkable/ dual wall adhesive lined tubing



**Electrical**

The complexity of modern electrical and electronic systems makes the need for insulation and protection of wires and components increasingly important. Splices and connections must be strong and flexible as well as water-proof and resistant to the harsh environments in which they operate.

### What is Dupron?

Universal, semi-rigid, radiation cross linked, dual wall, heat shrinkable polyolefin tubing. When heat is applied the inner adhesive melts to give a tight seal and the outer wall shrinks to encapsulate the contained components. This results in a tough waterproof, gas-proof cover.

### Where can Dupron be used?

Quite simply - anywhere! Cut off the required amount push it over the area to be sealed, warm gently and watch Dupron shrink to form a complete seal, no matter what shape is required. Dupron will give a mechanically strong, moistureproof seal which is resistant to abrasion, vibration and corrosion in many applications. including:

- Loose connections
- Split insulation
- Terminals subject to water ingress
- Damage to leads
- Weather proofing
- Repairs to power leads
- Identification difficulties
- Damaged wiring
- Protection of components and connections

### Key Features and Benefits of Dupron?

- Easy to use
- Simple and fast Installation

- Strong, permanent repair
- Indefinite shelf life
- Economic because of low wastage
- No cure period before return to service
- Fire retardant
- Permanently flexible
- Excellent mechanical strength
- Waterproof
- Resistant to a range of corrosive chemicals
- Superb crack and split resistance

### Dupron Technical Information

**Operating Temperature Range:**  
-55 C to + 150 C

**Elongation at Break:** 490%

**Dielectric Strength:**  
23.6kV per mm

**Volume Resistivity:**  
 $1 \times 10_{15}$ ohms per cm

**Flame Retardancy:**  
Outer wall will not crack, flow or drip (ASTM 0876 and 0267 1)  
Self extinguishing to UL 224

**Fluid Resistance:**  
Lubricating oil, Aviation fuel, Diesel and Hydraulic fluid (IS037 and 1817)

**Water Absorption:** max. 0.2%  
**Shrinkage Ratio:** 3:1

