



# Zialoc ZPTFE Copper - PTFE Coated Glass Cloth Tape

Zialoc ZPTFE Copper is a PTFE Coated Glass Cloth Tape. It comes with a copper fiberglass fabric impregnated with Polytetrafluoroethylene (PTFE) dispersion and coated with a pressure sensitive silicone adhesive that can sustain high heat ranges as noted in this data sheet.

### Features/Benefits:

Zialoc ZPTFE Copper is a laminate construction offering an additional 0.001” (1 mil) of PTFE over the entire surface of the impregnated cloth, delivering a product with exceptional durability and longevity. The combination of uniform and pin-hole free film enables Zialoc ZPTFE Copper to outperform thicker PTFE-coated fiberglass tapes. Zialoc ZPTFE Copper is dimensionally stable and resistant to tears, punctures, abrasion and wear.

### Availability:

Zialoc ZPTFE Copper is available in 6 mil thickness (additional thickness available upon request) and widths from 6.35 to 914.4 mm (0.25 to 36 in). Standard roll length is 16 or 33 m long (18 or 36 yd). Zialoc ZPTFE Copper is available with or without a liner.

### Applications:

Zialoc ZPTFE Copper is frequently used by the packaging industry as a release surface on heat sealers, blister formation and form-fill equipment where heavy production demands a product with more release surface material. The durability and anti-stick properties of Zialoc ZPTFE Copper also make it an ideal material for the lining of guide rails, chutes and slides. The capabilities of high heat ranges as noted in this data sheet and non-stick properties of Zialoc ZPTFE Copper intend it to perform as an excellent release surface in severe industrial environments, platen covers, dry can covers and the composite aircraft industry.

### Zialoc ZPTFE Copper Properties

Performance tests are run using standard test procedures. The values presented are typical values and should not be used for specification purposes.

| ZIALOC ZPTFE COPPER            |                               |
|--------------------------------|-------------------------------|
| Backing Material               | PTFE Coated Fiberglass Fabric |
| Adhesive Type                  | Silicone                      |
| Total Thickness mm (mil)       | 0.201 (7.9)                   |
| Backing Thickness mm (mil)     | 0.150 (5.9)                   |
| Adhesive Thickness mm (mil)    | 0.051 (2.0)                   |
| Adhesion to Steel N/cm (oz/in) | 5.5 (50)                      |
| Elongation (% at break)        | <5                            |
| Operating Temperature °C (°F)  | -73 to +260<br>(-100 to +500) |
| Color                          | Copper                        |