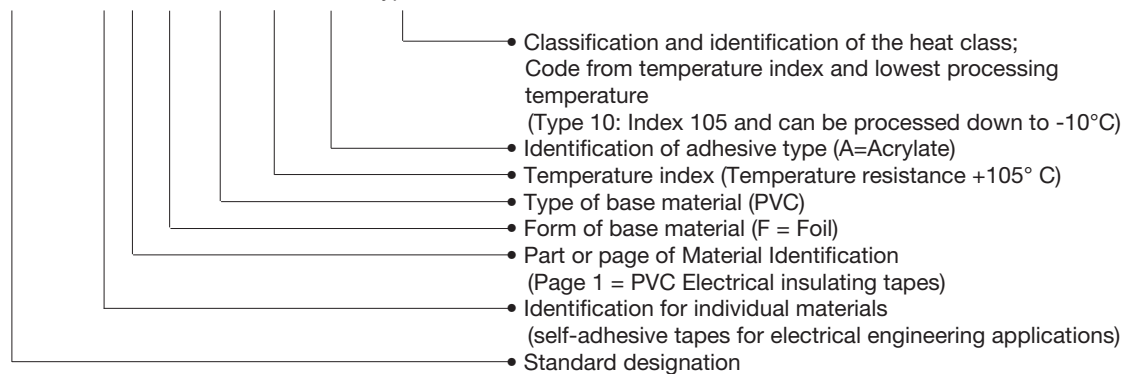


### Explanatory notes on the Adhesive Tape Standard for Electrical Insulating Tape: DIN EN 60454

The European Standard DIN EN 60454 for electrical insulating tape in force since 01.01.2001 replaces the previously known national standards DIN 40633 and VDE 0340 and forms the basis for our tests of adhesive tapes for the electrical engineering sector. It is now provided that the essential characteristics and test values of adhesive tapes be indicated by the product designation. The following example illustrates the complete product designation for Coroplast 302:

Coroplast 302 Electrical Insulating Tape  
DIN EN 60454 -3 -1 F - PVC /105/ A-Tx Typ 10



Our standard product Coroplast 302 already demonstrates the excellent characteristics of Coroplast Adhesive Tapes: The relatively high Heat Class 10 (of 12 possible classes) is achieved in accordance with DIN EN 60454-3-1. Our Coroplast Types 301, 302 and 352 SE undergo additional standards testing by the VDE, so these also bear the VDE test mark. Further details and technical specifications can be found in the product descriptions in this catalogue or are available from us on request.

### Coroplast 101 Cable jacket repair set

#### Application, properties and advantages:

- The set consists of one roll each of Coroplast 100, 1.5 x 38 mm x 5 m (self-bonding butyl rubber tape) and Coroplast 201, 0.18 mm x 19 mm x 20 m, black (all-weather insulating tape based on plasticized PVC, self-adhesive).
- For repairing damaged cable jacket, for upholstering cable terminals, for insulating cables and line connections, for protecting cable against moisture.
- Coroplast 100 is easy to use thanks to its low thickness of 1.5 mm.
- Coroplast 100 amalgamates following application with slight tension to an air- and watertight layer.
- Can be applied easily even at low temperatures.
- Mechanically secure final wrapping with Coroplast 201.
- Coroplast 201 is self-extinguishing and resistant to ageing.
- Very good resistance to chemicals.

#### Technical data:

See Coroplast 201 and Coroplast DSP 005 which is identical in technical terms with Coroplast 100. The only difference is that Coroplast 100 is wound on the space-saving 1 inch core.



## Coroplast 201

### All-weather insulating tape based on plasticized PVC

#### Application, properties and advantages:

- DIN EN 60 454-3-1 F-PVC/105/A-Tx Type 10
- For electrical installation work and the assembling of cables in particular at low temperatures as the final wrapping when repairing cables (together with Coroplast 100).
- Self-extinguishing and flame-resistant.
- Ductile carrier.
- Very good resistance to chemicals.
- Easy to apply even at low temperatures.
- Excellent resistance to ageing and weathering.

#### Technical data:

Carrier: .....plasticized PVC film  
 Adhesive: .....acrylic  
 Thickness: .....0.18 mm  
 Colour: .....black  
 Widths: .....15, 19, 30 and 50 mm  
 Length: .....20 m  
 Tensile strength: .....15 N/mm<sup>2</sup>  
 Elongation at break: .....190 %  
 Adhesion to steel: .....2.0 N/cm  
 Breakdown voltage: .....> 40 kV/mm  
 Temperature range: .....- 10° C up to +105° C



## Coroplast 301/302

### Electrical insulating tapes based on plasticized PVC with VDE approval

#### Application, properties and advantages:

- DIN EN 60 454-3-1 F-PVC/105/A-Tx Type 10
- For all normal insulating work, repairing of damaged insulation, taping of cable ends and branchings, stripping of armatures and coils, marking.
- For solid and spiral taping of cable harnesses.
- Flame retardant and resistant to ageing.
- Very good resistance to chemicals.
- Resistant to motor vehicle operating fluids.
- Thanks to its high ductility can be applied without folds around all uneven surfaces.
- Unchanged favourable material properties following application even with varying temperatures.
- Association of Austrian Electrical Engineers (ÖVE) approval for 301.



#### Technical data:

|                      | 301                                                                             | 302                                                                                                   |
|----------------------|---------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|
| Carrier:             | plasticized PVC film                                                            | as 301                                                                                                |
| Adhesive:            | acrylic                                                                         | as 301                                                                                                |
| Thickness:           | 0.10 mm                                                                         | 0.15 mm                                                                                               |
| Colours:             | yellow, orange, red, violet, light blue, blue, green, grey, brown, white, black | yellow, orange, red, violet, light blue, blue, green, grey, silver, brown, white, black, green-yellow |
| Widths:              | 9, 12, 15, 19, 25, 30, 38 and 50 mm                                             | as 301                                                                                                |
| Lengths:             | 10, 25 and 33 m                                                                 | 4.5, 10, 25 and 33 m                                                                                  |
| Tensile strength:    | 17 N/mm <sup>2</sup>                                                            | 19 N/mm <sup>2</sup>                                                                                  |
| Elongation at break: | 180 %                                                                           | 190 %                                                                                                 |
| Adhesion on steel:   | 1.8 N/cm                                                                        | 2.0 N/cm                                                                                              |
| Breakdown voltage:   | > 40 kV/mm                                                                      | as 301                                                                                                |
| Temperature range:   | - 10° C up to +105° C                                                           | as 301                                                                                                |