



# tesa® 4688

## Product Information



### Universal Polyethylene Coated Cloth Tape

#### Product Description

tesa® 4688 is the industry standard polyethylene coated cloth tape. It is based on a 55-mesh woven fabric backing, coated with a pressure sensitive natural rubber adhesive. The cloth tape features excellent adhesion even on rough surfaces as well as a high tack and high initial bonding strength. tesa® 4688 is a general repair tape, convenient for a variety of needs with excellent handling properties. The cloth repair tape is waterproof, resistant to temperatures of up to 110°C, abrasion-resistant and easy to unwind. Manual application is easy thanks to its hand-tearability. tesa® 4688 is certified to be used in nuclear power stations. It is available in various colours.

#### Product Features

- Strong adhesion, even on rough surfaces
- Waterproof
- Easy to unwind
- Total halogen content < 1000 ppm
- Total sulphur content < 1000 ppm

#### Applications

- tesa® 4688 is used for a wide range of applications such as marking, masking, packaging, protecting, labelling, colour coding, fastening and closing
- The universal cloth tape is used for protection during sandblasting
- The cloth tape is used for bonding plastic films on construction sites as well as during plastering
- The tape can be used for sealing cartons, tins, etc.
- tesa® 4688 is used for fastening wires and for bundling cables
- tesa® 4688 is used for splicing films and for marking parts during maintenance in nuclear power plants

#### Technical Information (average values)

The values in this section should be considered representative or typical only and should not be used for specification purposes.

#### Applications

• Backing	PE extruded cloth	• Total thickness	260 µm
• Type of adhesive	natural rubber	• Thickness of tape	_NULL µm
• Type of liner	none		



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### Properties/Performance Values

• Elongation at break	9 %	• Mesh	55 count per square inch
• Tensile strength	52 N/cm	• Straight tear edge	good
• Abrasion resistance	good	• Temperature resistance (30 min)	110 °C
• Dielectric breakdown voltage	2900 V	• Temperature resistance (removability from aluminum after 30 min exposure)	110 °C
• Hand tearability	good	• Water resistance	good

### Adhesion to Values

- Steel 4.5 N/cm

### Additional Information

- Meets requirements of LV 312-1 dielectric strength 7500 Volts (3 layer)
- Meets requirements of the Siemens AG standard TLV 9027/01/06 for the usage in nuclear power plants

In the following list you can find the RAL-Design-Codes D2 as reference for the colors of tesa<sup>®</sup> 4688:

- Yellow, code 17: RAL 095 90 59
- Red, code 19: RAL 040 40 67
- Blue, code 11: RAL 270 30 40
- Green, code 37: RAL 130 60 60
- Silver gray, code 34: RAL 000 55 00
- Black, code 04: RAL 000 15 00
- White, code 08: RAL 090 90 05

### Disclaimer

tesa<sup>®</sup> products prove their impressive quality day in, day out in demanding conditions and are regularly subjected to strict controls. All information and recommendations are provided to the best of our knowledge on the basis of our practical experience. Nevertheless tesa SE can make no warranties, express or implied, including, but not limited to any implied warranty of merchantability or fitness for a particular purpose. Therefore, the user is responsible for determining whether the tesa<sup>®</sup> product is fit for a particular purpose and suitable for the user's method of application. If you are in any doubt, our technical support staff will be glad to support you.



For latest information on this product please visit <http://l.tesa.com/?ip=04688>