



77805

Primerless Line



Product Information

0.5 mm double-sided acrylic foam tape for mounting of automotive exterior attachment parts

Product Description

tesa® ACX^{plus} 77805 is a double-sided acrylic foam tape for mounting of automotive exterior attachment parts. It is a triple-layer symmetrically designed product, coated on both sides with LSE adhesive. It can help eliminate the primer in the process. Its high-performance LSE adhesive creates an efficient and secure bond to typical automotive attachment parts made of LSE (like PP and PP/EPDM) and MSE (like ABS) plastics without primer.

In addition, our product also has excellent adhesive properties when it comes to different types of OEM clear coats. Thanks to its viscoelastic acrylic foam core, tesa® ACX^{plus} 77805 Primerless Line is able to absorb and dissipate dynamic and static loads.

Also available in 0.8mm, 1.1 mm and 1.5 mm formats.

Main Features

- High initial performance on LSE plastics and difficult-to-bond clear coats without primer
- Superior peel-adhesion level right after application
- Excellent bonding stability at an application temperature as low as 5°C
- PFAS / PFOS free Product
- Efficient and robust application
- Viscoelastic acrylic foam core to compensate for different thermal elongation of bonded parts
- Outstanding wet-out property
- High humidity and UV resistance

LSE: low surface energy, MSE: medium surface energy

Application Fields

tesa® ACX^{plus} 77805 Primerless Line is suitable for a wide range of permanent exterior mounting applications. To ensure the highest performance possible, our aim is to fully understand your application (including the substrates involved) in order to provide the right product recommendation.

Example applications are:

- Body side moldings and decorative trims
- Emblems
- Spoilers
- Antennas
- Pillar appliqués
- PDC mounting

Technical Information (average values)

The values in this section should be considered representative or typical only and should not be

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Technical Information (average values)

used for specification purposes.

Product Construction

- | | | | |
|--------------------|----------------|-------------------|--------|
| • Backing material | foamed acrylic | • Total thickness | 500 µm |
| • Type of adhesive | LSE | • Colour | grey |

Properties/Performance Values

- | | | | |
|--------------------------|---------------|--|--------|
| • Ageing resistance (UV) | good | • Temperature resistance long term duration | 80 °C |
| • Humidity resistance | very good | • Temperature resistance short term duration | 120 °C |
| • Temperature range | -40 to +80 °C | | |

Adhesion to Values

- | | | | |
|----------------------|---------|------------------------|---------|
| • ABS (initial) | 24 N/cm | • PP (after 3 days) | 27 N/cm |
| • ABS (after 3 days) | 26 N/cm | • Steel (initial) | 26 N/cm |
| • PP (initial) | 26 N/cm | • Steel (after 3 days) | 28 N/cm |

Additional Information

- Static shear resistance tested with 25 mm x 25 mm tape on steel, 200 g weight
- Liner: PV15 = royal blue siliconized HDPE film liner
- Temperature range: values are load dependent

Disclaimer

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