



tesa® ACXplus 7812

Product Information



Black double-sided acrylic foam tape

Product Description

tesa® ACX^{plus} 7812 Black Line is a deep black double-sided acrylic foam tape for mounting automotive exterior trims and parts. It provides high bonding power on MSE clear coats and plastics like ABS and chromed ABS, and performs outstandingly on PC and PMMA. Its impressive cold shock resistance is based on a modified acrylic foam core, which assures a reliable bond even at extreme low temperatures.

Being viscoelastic, tesa® ACX^{plus} 7812 Black Line optimally absorbs and dissipates dynamic and static loads. This exceptional capability enables tesa® ACX^{plus} 7812 Black Line to compensate for extreme physical stress caused by different thermal elongation of bonded parts in changing temperature conditions.

Also available in 0.5 mm, 0.8 mm, 1.1 mm, and 1.5 mm formats.

Main features

- * Deep black color for enhanced appearance and design flexibility
- * Excellent cold shock performance
- * High humidity and UV resistance
- * Closed cell acrylic foam core
- * Viscoelastic acrylic foam core to compensate for thermal elongation differences of bonded parts

Product Features

- Deep black color for enhanced appearance and design flexibility
- Excellent cold shock performance
- High humidity and UV resistance
- PFAS / PFOS free Product
- Closed cell acrylic foam core
- Viscoelastic acrylic foam core to compensate for thermal elongation differences of bonded parts

Application Fields

The tesa® ACX^{plus} 7812 Black Line is suitable for a wide range of exterior attachment part mounting applications.

Example applications are:

- * Protective trims like wheel arches and rocker panels
- * Decorative trims

For latest information on this product please visit <http://l.tesa.com/?ip=07812>



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Application Fields

- * Pillar appliques
- * Antennas
- * Emblems

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.

Technical Information (average values)

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

Product Construction

- | | | | |
|--------------------|-----------------------|-------------------|------------|
| • Backing | foamed acrylic | • Total thickness | 1200 µm |
| • Type of adhesive | modified acrylic | • Color | deep black |
| • Type of liner | PE/PP protection film | | |

Properties/Performance Values

- | | | | |
|--------------------------|-----------|-----------------------|-----------|
| • Elongation at break | 1400 % | • Humidity resistance | very good |
| • Ageing resistance (UV) | very good | | |

Adhesion to Values

- | | | | |
|-----------------------|---------|-------------------------|---------|
| • ABS (after 14 days) | 24 N/cm | • Steel (after 14 days) | 32 N/cm |
| • ABS (after 3 days) | 24 N/cm | • Steel (after 3 days) | 32 N/cm |
| • Steel (initial) | 18 N/cm | | |

Additional Information

PV 25 = White siliconised PE-coated paper liner.

PV 29 = Blue heat sealable and adhesive tabable film liner.

Adhesion data are based on PV25 liner.

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Disclaimer

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