



# 7812 Black Line



## Product Information

1.2 mm double-sided acrylic foam tape for mounting applications in automotive

## Product Description

tesa® ACX<sup>plus</sup> 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<sup>plus</sup> 7812 Black Line optimally absorbs and dissipates dynamic and static loads. The exceptional capability enables tesa® ACX<sup>plus</sup> 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, 1.5 mm, and 2.0 mm formats.

## Product Features

- Deep black color for enhanced appearance and design flexibility
- Excellent cold shock performance
- High humidity and UV resistance
- Superior push out resistance also at high temperatures
- 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<sup>plus</sup> 7812 Black Line is suitable for a wide range of exterior attachment part as well as interior display mounting applications.

Example applications for exterior mounting are:

- Protective trims like wheel arches and rocker panels
- Decorative trims
- Pillar appliques
- Antennas
- Emblems

Example applications for interior mounting are:

- Frame mounting of interior displays
- Head up displays
- Center stack displays
- Cluster displays

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.

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



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### 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 3 days) | 24 N/cm | • Steel (after 3 days) | 32 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.

### Disclaimer

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