

tesa® ACX^{plus} 7811 Black Line

1.1 mm double-sided acrylic foam tape for mounting automotive exterior trims and parts

tesa® ACX^{plus} 7811 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} 7811 Black Line optimally absorbs and dissipates dynamic and static loads. This exceptional capability enables tesa® ACX^{plus} 7811 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, 1.2 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

Main Application

The tesa® ACX^{plus} 7811 Black Line is suitable for a wide range of exterior attachment part 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:

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

Technical Data

▪ Backing material	foamed acrylic	▪ Total thickness (mm)	1.1 mm
▪ Color	deep black	▪ Type of adhesive	modified acrylic
▪ Total thickness	1100 µm	▪ Elongation at break	1400 %

Adhesion to

▪ Steel (after 3 days)	32.0 N/cm	▪ ABS (after 3 days)	24.0 N/cm
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For latest information on this product please visit <http://l.tesa.com/?ip=07811>

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Properties

▪ Ageing resistance (UV)	●●●●	▪ L-jig	●●●●
▪ Humidity resistance	●●●●	▪ T-block	●●●●
▪ Cold-shock resistance	●●●●		

Evaluation across relevant tesa® assortment: ●●●● very good ●●● good ●● medium ● low

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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