

tesa® ACX^{plus} 7096 LSE Performer 1,500 µm double-sided acrylic foam tape

tesa® ACX^{plus} 7096 is a double-sided acrylic foam tape, available in deep black. It consists of a high performance acrylic system and is identified by its stress dissipation, bonding power and temperature and weather resistance.

Due to the product's unique formulation, this double-sided acrylic foam tape combines very high adhesion levels with the ability to absorb and dissipate high dynamic loads. The viscoelastic core of this product is able to compensate for thermal elongations of bonded parts.

The new tesa® ACX^{plus} 7096 series features an innovative functional adhesive layer that makes strong bonds to low surface energy substrates (such as critical plastics and powder coatings) possible without the requirement of a surface pre-treatment for instance with our tesa® Adhesion Promoter. Furthermore, this series enables the ability to process tape in unheated production environments with temperatures down to 0°C.

tesa® ACX^{plus} 7096 performs well on a broad variety of substrates including powder-coated surfaces and critical plastics. Even in combinations of such materials, this product provides advanced safety due to its innovative product design.

Main Application

The tesa® ACX^{plus} product family is suitable for a wide range of constructive bonding applications. To ensure the highest performance possible, our aim is to fully understand the application (including the substrates involved) in order to provide the right product recommendation. Example mounting applications include but are not limited to:

- Reinforcement bars (e.g. in elevators)
- Mounting applications in unheated/cold production facilities
- Bumper rails
- Signage/POS applications

Technical Data

▪ Backing material	foamed acrylic	▪ Type of adhesive	specialty
▪ Color	deep black	▪ Elongation at break	1500 %
▪ Total thickness	1500 µm		

Adhesion to

▪ Steel (after 3 days)	40.0 N/cm	▪ Aluminium (after 3 days)	40.0 N/cm
▪ ABS (after 3 days)	40.0 N/cm	▪ PP (after 3 days)	40.0 N/cm

For latest information on this product please visit <http://l.tesa.com/?ip=07096>

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1,500 µm double-sided acrylic foam tape

Properties

▪ Temperature resistance short term	100 °C	▪ Resistance to chemicals	● ● ● ●
▪ Temperature resistance long term	80 °C	▪ Softener resistance	● ● ● ●
▪ Tack	● ● ● ●	▪ Static shear resistance at 23°C	● ● ● ●
▪ Ageing resistance (UV)	● ● ● ●	▪ Static shear resistance at 70°C	● ● ●
▪ Humidity resistance	● ● ● ●	▪ T-block	● ● ●

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

Additional Information

For permanent outdoor applications with load-bearing requirements, our first recommendation is our high resistance product within the tesa® ACX^{plus} family: tesa® ACX^{plus} 707x High Resistance.

Liner versions:

- PV22: White paper liner – branded
- PV24: Blue film liner – unbranded
- Further liner versions might be available upon request.

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