

tesa® ACX^{plus} 7042 Gray / White 500 µm double-sided acrylic foam tape

tesa® ACX^{plus} 7042 is a double-sided acrylic foam tape, available in gray or white. It consists of a high performance acrylic system and is primarily characterized by its bonding power, stress dissipation characteristics, and its 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. tesa® ACX^{plus} 7042 performs well on "hard-to-bond-materials" such as powder coatings or plastic materials. Even in combinations of such materials, this product provides advanced safety due to its innovative product design.

tesa® ACX^{plus} 7042 makes bubble-free bonding possible. The gray or white color options adapt very well to metal and plastic surfaces, resulting in an invisible bond of e.g. decorative elements.

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:

- Decorative panels (e.g. refrigerator glass doors)
- Decorative elements (e.g. covers of dishwashers, muntin bars on windows)
- Glass-to-glass or glass-to-metal applications (e.g. partition walls or glass doors)

Technical Data

▪ Backing material	foamed acrylic	▪ Type of adhesive	pure acrylic
▪ Color	gray/white	▪ Elongation at break	770 %
▪ Total thickness	500 µm		

Adhesion to

▪ Steel (after 3 days)	23.0 N/cm	▪ Glass (after 3 days)	21.0 N/cm
▪ ABS (after 3 days)	22.0 N/cm	▪ PMMA (after 3 days)	17.0 N/cm
▪ Aluminium (after 3 days)	23.0 N/cm		

For latest information on this product please visit <http://l.tesa.com/?ip=07042>

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Properties

▪ Temperature resistance short term	200 °C	▪ Resistance to chemicals	● ● ● ●
▪ Temperature resistance long term	120 °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

Please note that we recommend using tesa® Adhesion Promoter as surface pre-treatment as it leads to a significant improvement of adhesion levels. Which tesa® Adhesion Promoter should be used depends on the substrates and the application. We will be glad to advise you in order to find the right solution. 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} High Resistance 707x.

Product variants:

- PV26: White paper liner
- PV28: Blue film liner
- Further liner versions might be available upon request

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