



TBP Converting, Inc.
Tesa 7048 PDS

tesa® ACX^{plus} 7048 Gray / White 79 mil double-sided acrylic foam tape

tesa® ACX^{plus} 7048 is an 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. tesa® ACX^{plus} 7048 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} 7048 is especially designed to allow invisible bonding of decorative elements. The gray or white color options adapt very well to metal and plastic surfaces. Furthermore, gleaming of translucent and decorative materials is avoided.

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 applications include but are not limited to:

- Mounting of decorative panels (e.g. refrigerator glass doors)
- Mounting of decorative elements (e.g. covers of dishwashers, muntin bars on windows)
- Mounting of 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	grey/white	▪ Elongation at break	730 %
▪ Total thickness	2000 µm 78.7 mils		

Adhesion to

▪ Steel (after 3 days)	38.0 N/cm 347.2 oz/in	▪ Glass (after 3 days)	40.0 N/cm 365.4 oz/in
▪ ABS (after 3 days)	55.0 N/cm 502.5 oz/in	▪ PMMA (after 3 days)	33.0 N/cm 301.5 oz/in
▪ Aluminium (after 3 days)	45.0 N/cm 411.1 oz/in		

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Properties

▪ Temperature resistance short term	200 °C	▪ Resistance to chemicals	● ● ● ●
	392 °F	▪ Softener resistance	● ● ●
▪ Temperature resistance long term	110 °C	▪ Static shear resistance at 73,4 °F	● ● ● ●
	230 °F	▪ Static shear resistance at 158 °F	● ● ● ●
▪ Tack	● ● ●	▪ T-block	● ● ● ●
▪ Ageing resistance (UV)	● ● ● ●		
▪ Humidity resistance	● ● ● ●		

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 (7078).

PV28 indicates that this product comes with a blue silicone-free filmic liner.