productinformation

tesa® ACX^{plus} 7066 High Adhesion
1,500 µm double-sided acrylic foam tape

tesa® ACX^{plus} 7066 is a deep black double-sided acrylic foam tape. It consists of a high performance acrylic system and is identified by its bonding power, stress dissipation 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 a very good resistance against plasticizer migration. The viscoelastic core of this product is able to compensate for thermal elongations of bonded parts.

tesa® ACX^{plus} 7066 is especially designed for the bonding of "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. This product provides a very high immediate tack and peel adhesion even on substrates with a low surface energy.

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 substrate involved) in order to provide the right product recommendation. Example bonding solutions of "hard-to-bond-materials" include but are not limited to:

- Bumper rails
- Signage, blades or panels
- Reinforcement bars (e.g. in elevators)
- Decorative parts on white goods (e.g. decorative panel mounting)

Technical Data

Backing material	foamed acrylic	Type of adhesive	tackified acrylic
Color	deep black	Elongation at break	600 %
Total thickness	1500 µm		

Adhesion to

Steel (after 3 days)	45.0 N/cm	Glass (after 3 days)	39.0 N/cm
Aluminium (after 3 days)	40.0 N/cm	PMMA (after 3 days)	41.0 N/cm

Properties

Temperature resistance short term	170 °C	Resistance to chemicals	●●●●
Temperature resistance long term	70 °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

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Additional Information

Please note that we recommend using tesa® Adhesion Promoter as a surface pre-treatment. It leads to a significant improvement in adhesion levels, avoids moisture infiltration, and promotes long-term resistance against harsh environmental factors. 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 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.

Certificates:

- tesa® ACX^{plus} 7066 is recognized according to UL Standard 746C. UL File QOQW2.E309290
- tesa® ACX^{plus} 7066 is recognized according to UL Standard 879. UL File UYMR2.E479260
- Qualified for a credit according to LEED

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