

product information

tesa® ACX^{plus} 7054 High Transparency 500 µm double-sided acrylic core tape

tesa® ACX^{plus} 7054 is a double-sided transparent acrylic core tape. It consists of a high-performance acrylic system and is primarily characterized by its bonding power, stress dissipation and its temperature and weather resistance.

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

tesa® ACX^{plus} 7054 High Transparency is especially suitable for constructive bonding of transparent and translucent materials such as glass or acrylic.

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 of transparent and translucent materials include but are not limited to:

- Profiles for plissees
- Partition walls (e.g. glass on glass)
- Sign manufacturing (e.g. PMMA on aluminum)

Technical Data

▪ Backing material	solid acrylic	▪ Type of adhesive	pure acrylic
▪ Color	transparent	▪ Elongation at break	1000 %
▪ Total thickness	500 µm		

Adhesion to

▪ Steel (initial)	11.0 N/cm	▪ Steel (after 3 days)	19.0 N/cm
▪ Aluminium (initial)	9.0 N/cm	▪ Aluminium (after 3 days)	19.0 N/cm
▪ Glass (initial)	11.0 N/cm	▪ Glass (after 3 days)	17.0 N/cm
▪ PMMA (initial)	9.0 N/cm	▪ PMMA (after 3 days)	12.0 N/cm

For latest information on this product please visit <http://l.tesa.com/?ip=07054>

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tesa® ACX^{plus} 7054 High Transparency

500 µm double-sided acrylic core tape

Properties

▪ Temperature resistance short term	200 °C	▪ Resistance to chemicals	●●●●
▪ Temperature resistance long term	100 °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} 707x High Resistance.

Product variants:

- PV28: Blue film liner
- PV32: White paper liner

Certificates:

- tesa® ACX^{plus} 7054 is recognized according to UL Standard 746C. UL File QQQW2.E309290
- tesa® ACX^{plus} 7054 is recognized according to UL Standard 879. UL File UYMR2.E479260
- eurolaser certificate: suitable for laser cutting
- Qualified for a credit according to LEED

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