



tesa® ACXplus 74512 Seal Line



Product Information

Heat-activatable acrylic foam tape

Product Description

tesa® ACX^{plus} 74512 Seal Line is a deep black acrylic foam tape for permanent mounting of door seals, sun roof seals and Obstacle Detection System (ODS) profiles. The adhesive gets activated by hot air or near-infrared when applying it onto the PP/EPDM, PP, TPV, or TPE seal.

Compared to the conventional process with primer, tesa® ACX^{plus} 74512 Seal Line ensures a highly secure bond to the rubber profile, enables a higher application speed than using primer, and improves the operational safety during the production process.

Its outstanding cold shock resistance is based on a modified acrylic foam core, which assures a reliable bond even at extreme low temperatures. Being viscoelastic, tesa® ACX^{plus} 74512 Seal Line absorbs and dissipates dynamic and static loads optimally. This exceptional capability enables tesa® ACX^{plus} 74512 Seal Line to compensate for extreme physical stress caused by the different thermal elongation of bonded parts in rapidly changing temperatures.

The deep black color provides an enhanced appearance and high design flexibility.

The density of the acrylic foam is 800 kg/m³.

Product Features

- Outstanding dynamic T-block performance
- Superior dynamic shear resistance
- Ensure more accurate positioning on seals during the lamination process
- PFAS / PFOS free Product
- Efficient and secure bonding of the heat-activatable layer to seals
- No lift up on curved surfaces
- Strong bonding that withstands humidity and heat
- Closed cell acrylic foam core for reliable sealing to prevent water penetration
- High humidity and UV resistance

For latest information on this product please visit <http://l.tesa.com/?ip=74512>



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Product Information

Product Features

- Excellent cold shock performance

Application Fields

tesa® ACX^{plus} 74512 Seal Line can be widely used for mounting of door seals, sun roof seals, Obstacle Detection System (ODS) profiles and different types of seals for recreational vehicles.

Technical Information (average values)

The values in this section should be considered representative or typical only and should not be used for specification purposes.

Product Construction

- | | | | |
|--------------------|------------------|----------------------------|------------------|
| • Backing | foamed acrylic | • Color | deep black |
| • Type of adhesive | modified acrylic | • Type of adhesive to seal | heat-activatable |
| • Total thickness | 1200 µm | | |

Properties/Performance Values

- | | | | |
|--------------------------|-----------|---------------------------|-----------------|
| • Elongation at break | 400 % | • Humidity resistance | very good |
| • Tensile strength | 30 N/cm | • Static shear resistance | very good |
| • Ageing resistance (UV) | very good | • Temperature range | - 40 to + 80 °C |

Adhesion to Values

- | | | | |
|-----------------------------|---------|------------------------|---------|
| • Clear coat (after 20 min) | 52 N/cm | • EPDM (after 7 days) | 60 N/cm |
| • Clear coat (after 24 hrs) | 52 N/cm | • Steel (after 3 days) | 32 N/cm |
| • EPDM (after 10 days) | 49 N/cm | | |

Additional Information

PV28 = royal blue film liner, heat sealable for heat tabbing, silicone free

PV29 = royal blue heat sealable and adhesive tabbable film liner

Adhesion to clear coat: tape mounted on tesa standard clear coat 3h after painting and curing

Adhesion to EPDM: T-Peel Test, all tests reach cohesive failure

Temperature range and static shear resistance: values are load dependent



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