

tesa® ACX^{plus} 74712

Seal Line



Technical Information

Product Description

tesa® ACX^{plus} 74712 Seal Line is a deep black, 1.2 mm heat activatable acrylic foam tape for permanent mounting of demanding seal applications. It has a heat-activatable adhesive on the non-liner side. The adhesive is activated by hot air or near infrared when applying it onto the PP/EPDM, PP, TPV, or TPE seal.

By introducing a functional adhesive layer at the liner side, tesa® ACX^{plus} 74712 can be used on various automotive clearcoats even without the use of adhesion promoters. The acrylic foam core ensures outstanding dimensional stability even at high temperatures and loads. At the same time, by its viscoelastic properties, tesa® ACX^{plus} 74712 Seal Line absorbs and dissipates dynamic and static loads. tesa® ACX^{plus} 74712 Seal Line can be used within a temperature range of -40 °C to 90 °C.

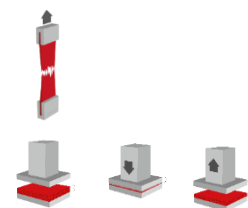
Product construction

- Type of adhesive to seal heat-activatable
- Type of backing specialty acrylic foam
- Type PSA acrylic adhesive
- Color deep black

- Splice gapless, can remain in final product
- Number of splices depending on dimension

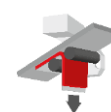
General properties

Thickness	1,2 mm
Density	550 kg/m ³
Elongation at break	280%
Tensile strength	19 N/cm
Compression set (at 50%)	27 N/cm ²



Adhesion properties on tesa standard clear coat^{1, 2}


After 15 min at RT	29 N/cm
After 24 h at RT	29 N/cm
After 240 h at 90°C	26 N/cm
After 240 h at 70°C/ 100% r.h.	30 N/cm
After 48 h at -40°C	30 N/cm




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Preliminary Product Information

Shear resistance^{1, 3}

Dynamic shear resistance after 24 h at RT	25 N/cm ²	
Dynamic shear resistance after 240h at 90°C	30 N/cm ²	
Dynamic shear resistance after 240h at 40°C/ 100% r.h.	25 N/cm ²	
Dynamic shear resistance after 48h at -40°C	25 N/cm ²	

Static shear resistance at RT (5 N/cm ²)	>500 min	
Static shear resistance at 70°C (2 N/cm ²)	>500 min	
Static shear resistance at 90°C (2 N/cm ²)	>500 min	

Cold shock performance

Ball drop test at -40°C (5N, 230mm; 10 hits)	passed
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Release properties⁴

Liner removal force	45 cN/cm
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Liner Properties

Material	PP
Color	blue

PLEASE NOTE:

The information provided in this sheet is not statistically secured and can therefore not be ensured by tesa SE. Performance value might be subject to changes in both directions. Shown data is not reflecting the product specification

¹ tests performed with tesa® ACXplus 74712 laminated to a standard door seal (without thread) on tesa standard clear coat

² adhesion properties tested with 90° floating roller peel test, test speed 50 mm/min

³ dynamic shear resistance test speed 50mm/min

⁴ Liner removal force tested at 180° peel angle, test speed 300mm/min

Disclaimer

tesa® products prove their impressive quality day in, day out in demanding conditions and are regularly subjected to strict controls. All information and recommendations are provided to the best of our knowledge based on our practical experience. Nevertheless, tesa SE can make no warranties, express or implied, including, but not limited to any implied warranty of merchantability or fitness for a particular purpose. Therefore, the user is responsible for determining whether the tesa® product is fit for a particular purpose and suitable for the user's method of application. If you are in any doubt, our technical support staff will be glad to support you.