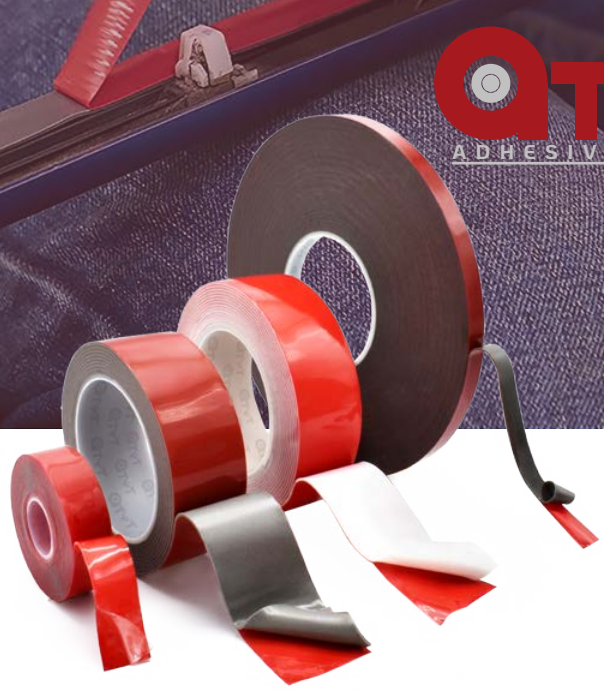
#D-VHB1LR-12

DOUBLE SIDED ACRYLIC FOAM "VHB" TAPE (1 mm)



KEY FEATURES

- Excellent initial and high holding adhesive level.
- Good resistance to aging.
- Available in different colors and thicknesses.
- Can be die-cutted in all possible shapes and sizes that the client wishes.
- Resist high service temperature service going **from -40 to + 160°C** (short exposures of 1h cycles) and **from -20°C to + 100°C** (long exposures of 24 hours).
- **Good resistance to UV rays, humidity, solvents, fuels and glass cleaners.**
- Pressure sensitive adhesive bonds on contact and allows immediate handling.
- Creates an invisible bonding, allowing to the joint made between the adhesive substrates not standing out at the place of application.
- **Complies with the requirements imposed by the RoHS directive** (2002/95 / EC).

Viscoelastic acrylic foam recovered on both sides with an acrylic adhesive and protected by a red PET liner.
The tape has an excellent adhesion to a wide range of substrates, including plastics and metals, making it ideal for bonding badges, nameplates, plastic panels, and metals in both indoor and outdoor environments.

Available colors:

Available liner colors:

PRODUCT COMPOSITION

LINER
PET

ADHESIVE TYPE
Acrylic

CARRIER
Acrylic foam

ADHESIVE TYPE
Acrylic

TECHNICAL CHARACTERISTICS

ADHESIVE PROPERTIES	VALUES	METHOD
Total thickness	1,0 mm	ASTM D-3652
Adhesion to Steel (inner face)	18,4 N/cm	ASTM D-3330
Adhesion to Steel (outer face)	16,4 N/cm	ASTM D-3330
Elongation at break	≥ 10 %	ASTM D-3759
Dynamic Shear resistance	≥ 34,3 N/cm^2 (20 min)	ASTM D-3330
	≥ 49 N/cm^2 (24 h)	ASTM D-3330
Service temperature range	[-20°C – +160°C]	INTERNAL (Cycles of 1 h)
	[-20°C – +100°C]	INTERNAL (Cycles of 8 h)

The given values are typical values obtained in specific conditions of temperature, loads and adhesive surface determined by norm. The user must determine if the tape is suitable for their specific application by testing the product. In case help is needed, ATyT will provide you with profesional customer support and recommendation, indicating which tape suits best your needs.

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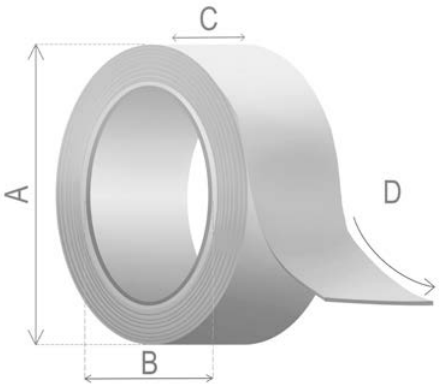
APPLICATIONS

- Specially designed to hold parts on the outer body of the car such as moldings, emblems, technical facades and spoilers.
- Allows complex applications such as fixing glass, solar panels, etc.
- Joining and sealing of trims, moldings, decorative materials, identification plates and logos, electronic displays and panel-to-frame joints.
- Can replace mechanical fasteners (rivets, spot welds, screws) or liquid adhesives, eliminating the need for drilling, sanding, grinding, screwing, welding and cleaning.
- Used in different sectors, including transportation, electrical appliances, electronics, signage and display, and general industrial sectors.

Surfaces to wich tape is applied should be clean, dry and free of grease, oil, moisture, dirt and other contaminats. Sufficient pressure should be applied during application. If not, it will affect the properties and appearance of the product.

STANDARD PRESENTATION:



Outer diameter (A)	60 mm	67 mm	120 mm	230 mm	
Core diameter (B)	20 mm		76 mm		
Width (C)	6 mm	9 mm	12 mm	15 mm	19 mm
Length (D)	1,5 m	2,5 m	10 m	33 m	

Any other length and width available on request. Check conditions.
The product can be supplied with a multitude of different types of presentation (see conditions). Among others, we highlight: the personalization of the core, the personalized plastic packaging, the shrink wrapping and the labeling of the tape.

STORAGE CONDITIONS

For better conservation of properties, product should be stored in its original packaging, between 20 and 30° C, preserved from direct exposure to sun and moisture. It is recommended to use the product within 12 months, since dispatching date.

GENERAL WARRANTY CONDITIONS

ATyT recommends applying the product only on clean, dry and free of grease, oil or other contaminants surfaces.
Product properties are typical and should not be considered specifications. They are based on tests believed to be reliable and performed conformance with recommended test methods. Values are expected to be used for comparison purposes only; they do not represent a manufacturer guarantee. Before using, the client should determine whether the product is fit for a particular purpose and for the user's method of application.

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