

## UHB ACRYLIC FOAM TAPE – IS 54512 W

0.8 MM

### PRODUCT DESCRIPTION

IS 54512 W UHB Tape, also known as acrylic foam tape. Engineered to facilitate seamless assembly without the need for drilling, riveting, welding, or screws, this tape redefines the way components are joined. Crafted from a high-strength, clear, UV-resistant double-sided film, it not only provides robust adhesion but also effectively mitigates vibrations and absorbs impacts.

### PRODUCT STRUCTURE



### PRODUCT FEATURE

- **Heat Resistant:** Withstands temperatures up to 180°C and extreme conditions.
- **Multi-Resistant:** Resists UV, oil, water, and solvents for indoor and outdoor use.
- **Permanent Bonding:** Long-lasting performance for a wide range of applications.
- **Excellent Tack:** Reliable adhesion with high cohesion strength on various surfaces.
- **Ultra High Bonding:** Strong adhesion with high shear strength for durable bonding.

### PRODUCT APPLICATION

- **Automotive Industry:** Replaces rivets and screws for attaching trims, emblems, and panels.
- **Furniture & Interior Design:** Joins glass, acrylic, and wooden elements for a seamless finish.
- **Electronics & Appliances:** Used for assembling screens, bezels, and lightweight components.
- **Construction & Architecture:** Bonds glass, metal, and composite panels in curtain walls and cladding.
- **Signage & Display:** Securely mounts signboards, nameplates, and LED panels without visible fasteners.
- **Aerospace & Marine:** Provides strong adhesion in extreme conditions, replacing mechanical fasteners.
- **General Industrial Applications:** Ideal for high-strength, long-lasting bonding in manufacturing and assembly.

## PHYSICAL PROPERTIES

CHARACTERISTIC	UNIT	VALUE
COLOR	-	Grey with Red Liner
BACKING	-	Acrylic Foam
ADHESIVE TYPE	-	Solvent Based
THICKNESS	MM	0.8 ± 0.05
INITIAL TACK	gf/in <sup>2</sup>	≥ 3200
HOLDING POWER	hours/in <sup>2</sup> (23°C,2000g)	≥ 2400
	hours/in <sup>2</sup> (80°C,500g)	≥ 1400
PEEL ADHESION	gf/in 20 min	≥ 3000
	gf/in 72 hours	≥ 4000
TEMPERATURE RESISTANT	Short Term °C	140
	Long Term °C	80
DYNAMIC SHEAR STRENGTH	gf/in <sup>2</sup> (20minutes)	≥ 32000

Information in the above sheet is the average value of the tests, it should not be taken as the exact values of every single product. Customers have the obligation to check whether the product is suitable for their own applications.

## STORAGE AND USAGE

Tape should be stored in dry, cool, shelter area and avoid direct sunlight, storage temperature under 40°C under correct storage conditions maintains its characteristics for two years.

## NOTICE

- Please try a sample and make sure the tape is suitable for the application before use it.
- Customers who buy the jumbo rolls should stop the re-winding and slitting once find that there has quality problem with the jumbo. Contact us right away. If customers re-wind/cut the problematic jumbo into log/finished rolls, Instabiz Solutions India Pvt. Ltd. will not response to make any indemnity.
- Ideal tape application temperature is 8 to 38 Celsius. It is not suggested to use the tape below zero Celsius, because the adhesive will become too firm to adhere readily. However, once customers insist on using the tape under such a low temperature, please contact us, Instabiz Solutions India Pvt. Ltd. will adjust the adhesive, but Instabiz Solutions India Pvt. Ltd. doesn't guarantee anything.
- Firm application pressure helps develop better adhesive contact and improves bond strength, the bonding surfaces must be clean, dry and well unified. Seal completely when not use the tape, avoid expose the tape in the sunlight.
- Expiry date: Original packaging, 23 C & 60% humidity, 12 months after production date. If product is not kept under such temperature and humidity, jumbo/log rolls should be finished within four months, finished rolls should be finished within one month.
- All Instabiz Solutions India Pvt. Ltd. products are strict inspected before sent to customers, but the applications might be different between different customers, there may exist factors which are beyond Instabiz Solutions India Pvt. Ltd. knowledge and control, so customers should check the quality of every order before use the tape. If customers use the product without inspection, they must be responsible for the potential quality problems and economic loss. If the product is proved to be defective, the exclusive remedy, at Instabiz Solutions India Pvt. Ltd. option, shall be to refund the purchase price of or replace the problematic product.

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