



**Adhesive
Solutions**

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3M 91125R

Removable Tape

ASK A 3M EXPERT

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Technical Data Sheet

DESCRIPTION:

3M™ Removable Tape 91125R is differential adhesive tape with a low tack adhesive (Removable) on the back side (exterior of roll) and a high tack (Permanent) adhesive on the face side (interior of roll).

PHYSICAL PROPERTIES: (Not for specification purpose, Calipers are nominal values)

Adhesive	:	Acrylic
Carrier	:	Carrier
Thickness	:	100 microns
Liner	:	100 gsm PCK Liner with 3M Logo printed

FEATURES:

- The low-tack adhesive on the back side (Liner side) allows removal from many surfaces without adhesive residue.
- The polyester film carrier provides dimensional stability, improved handling for die cutting and laminating, as well as providing higher temperature

APPLICATIONS:

- Removable stickers and labels.
- Point of purchase displays.
- Mounting promotional items.
- Removable/changeable advertisements.
- Temporary hold for protective packaging material, such as foam or cardboard, used

PERFORMANCE PROPERTIES (Not for specification purpose)

1. **Peel Adhesion on SS substrates** (in Kgf/ 25.4 mm) :

180 degree angle, 305 mm/ min jaw speed (Ref : ASTM D 3330)

Dwell Time	Face Side	Back Side
15 Minutes	2.5	0.5
24 hrs	3.5	1

SS - Stainless Steel

2. **Static Shear Performance** (ASTM D3654 ; 1 sq. inch sample size; 1 Kg Load)

Face Side : 10 000 min

Back Side : 5 000 min

3. **Temperature Resistance:**

Short term (minutes, hours) : 150 deg C

Long term (days, weeks) : 70 deg C

Application Techniques

Bond strength is dependent upon the amount of adhesive-to-surface contact developed. Firm application pressure helps develop better adhesive contact and improves bond strength. To obtain optimum adhesion, the bonding surfaces must be clean, dry and well unified. Some typical surface cleaning solvents are isopropyl alcohol or heptane.

Note: Carefully read and follow the manufacturer's precautions and directions for use when working with solvents.

Ideal tape application temperature range is 70°F to 100°F (21°C to 38°C). Initial tape application to surfaces at temperatures below 50°F (10°C) is not recommended because the adhesive becomes too firm to adhere readily. However, once properly applied, low temperature holding is generally satisfactory.

Shelf Life

12 months from date of manufacture when stored in original carton at 70°F(22°C) and 50 % relative humidity.

Product Use

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