



**Adhesive
Solutions**

GROUP OF COMPANY

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3M

91031 Double Coated Tissue Tape

Technical Data Sheet

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DESCRIPTION:

High performance double coated tissue tape made of conformable tissue carrier and high performance acrylic pressure sensitive adhesive. The high peel adhesion provides excellent adhesion to variety of surfaces.

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

Adhesive	:	Acrylic
Carrier	:	Tissue
Tape Thickness	:	0.150 mm \pm 0.015mmLiner
		125 Gsm PCK

FEATURES:

- Excellent adhesion to rubber & different types of foams
- Excellent adhesion to low surface energy plastics
- Provides good surface for die-punching

APPLICATIONS:

- The soft construction of tissue tape makes this product ideal for many joining, mounting, gasketing and sealing applications involving irregular surfaces.
- This tape is specially formulated for foam lamination and more demanding indoor and moderate outdoor mounting and joining applications, including bonding of metal to rubber gaskets and many other plastics, where moderate temperature and high shear performance are required.
- Other Application ideas are attaching trims, labels, lining, fabric, web splicing, core starting and end tabbing.
- Ideal tape application temperature range is 70°F to 100°F (21°C to 38°C).

PERFORMANCE PROPERTIES (Not for specification purpose)

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

180 degree angle, 305 mm/ min jaw speed, 30 min. dwell (Ref : ASTM D 3330)

With 2 mil PET backing.

Tape surface	SS	PVC	PC	PP	HDPE
Face Side	2.2	1.8	2.2	2.0	0.9
Liner Side	2.5	2.1	2.5	2.2	1.1

SS - Stainless Steel; PVC – Poly Vinyl Chloride; PC – Poly Carbonate; PP – Poly Propylene;
HDPE – High Density Poly Ethylene

2. Temperature Resistance :

Short term (minutes, hours)	:	120 deg C
Long term (days, weeks)	:	80 deg C

SHELF LIFE:

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

All statements, technical information and recommendation herein are based on information believed to be reliable, but the accuracy or completeness thereof is not guaranteed. Before utilizing the product, the user should determine the suitability of the product for its intended use. This is because 3M cannot accept any responsibility or liability direct or consequential for loss or damage caused as a result of our recommendations.

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