



**Adhesive
Solutions**

GROUP OF COMPANY

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3M

91091 Double Coated Tape

Technical Data Sheet

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DESCRIPTION:

High performance double coated tissue tape made of conformable tissue carrier and highperformance synthetic pressure sensitive adhesive.

PHYSICAL PROPERTIES: (Not for specification purpose)Adhesive

	:	Acrylic
Carrier	:	Tissue
Thickness	:	90 microns
Liner	:	White paper with 3M logo

FEATURES :

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

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, 72 hrs dwell (Ref : ASTM D 3330)

Tape surface	SS	PVC	PC	PP	HDPE
Face Side (Kgf/ 25.4 mm)	1.5	1.8	1.7	1.0	0.6
Liner Side (Kgf/ 25.4 mm)	1.8	1.9	1.8	0.9	0.5

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

STORAGE:

All Pressure Sensitive Adhesive tapes are recommended to be stored at 27 +/- 2 deg C, and away from direct sunlight.

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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