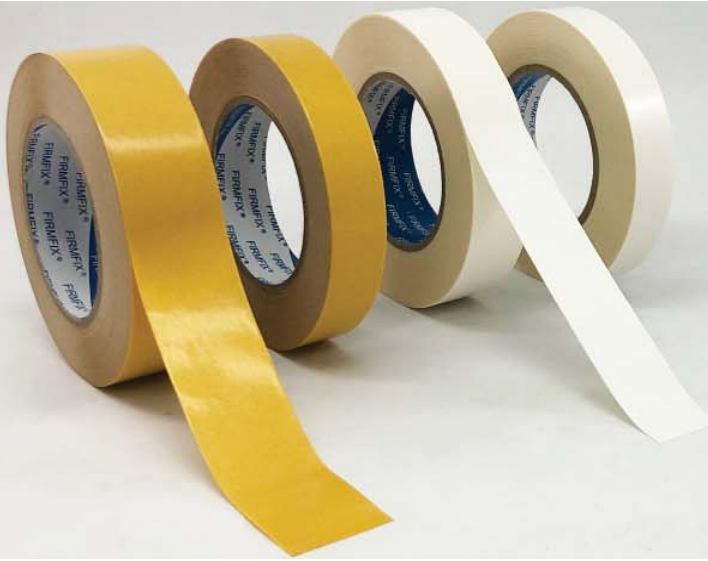


transfer, non-carrier tape

customizable solutions to your various industrial applications



- This transfer adhesive tape (WITHOUT CARRIER) is coated through a non-solvent process, using only UV curable manufacturing method. Adhesive clears VOC guidelines of Japan & European Union.
- Durable, with high shear and adhesive strength
- Customizable adhesive coating thickness and log roll length to meet your industrial needs

Our non-carrier transfer tape features the following:

- Excellent clarity
- High durability
- High shear & adhesive strength
- Low fogging
- Good heat & aging resistance (wide range of working temperatures)
- Good chemical, solvents & weather resistance (resistance to water whitening, humidity & water)
- Broad foam adhesion with good repulsion resistance
- High tack tapes (high & low surface energy materials, rough or porous materials)
- Good plasticizer resistance
- Medical applications (ISO 10993-5/-10 – approval for direct skin contact)
- UL969 Certifiable

Typical applications include:

- Medical device & direct or in-direct skin contact
- Food & beverage industry
- Architecture & building
- Solar industry
- HVAC industry
- Printing industry (plastic films & paper)
- Automotive & mobility
- Semiconductor industry
- Signage, advertising & promotion industry
- Furniture industry
- White goods



FIRMFIX®

Engineered Solutions

Technical features				
Carrier	NO CARRIER			
Liner	Glassine paper honey brown/white, 90gsm			
Adhesive coating	50 micron, 60 micron, 70 micron, 80 micron			
Typical performance				
Transfer coatings on 50 micron polyester film:				
Coating thickness Test panel	50 mic SS	60 mic SS	70 mic SS	80 mic SS
180° peel (N/25mm)				
20 minutes	30	34	35	35
24 hours	33	36	37	38
Shear (h) – 1kg weight ; 25mm x 25mm				
22°C	> 72	> 100	> 150	> 200
70°C	> 72	> 100	> 150	> 200
Tack (N/25mm)				
	28	32	32	35
SAFT (°C) - HOT				
	179	179	179	179

Foams application testing

Polyethylene foam was corona treated. Samples were heat nipped to the foam at 80°C for 5 seconds and peeled after a 20 minute dwell.

Foam anchorage adhesive coating on 50 micron polyester film	60mic foam tear	70mic foam tear
Polyethylene (PE) – IXPE, XPE, EPE	Tear	Tear
Polyurethane Polyether (PU Ether)	Tear	Tear
Polyurethane Polyester (PU Ester)	Tear	Tear
Nitrile Butadiene Rubber (NBR)	Tear	Tear
Ethylene Propylene Diene Monomer Rubber (EPDM)	Tear	Tear
Ethylene-Vinyl Acetate (EVA) - PE	Tear	Tear
Ethylene-Vinyl Acetate (EVA) - RB	Tear	Tear
Polyvinyl Chloride (PVC)	Tear	Tear
Polychloroprene (CR / Neoprene)	Tear	Tear

- The producer of the medical device is responsible for the testing and assessment of the final product, and it is not sufficient to refer to the data provided by the supplier of the raw material.
- The statement in this information sheet are based on our knowledge and practical experience. This data is intended only as a source of information, is given without guarantee and does not constitute a warranty. Due to the wide variety of possible uses and applications, customers should independently determine the suitability of this material for their specific purpose, prior to use.

Medicals application testing*

Transfer coatings on 30 micron film	coating thickness 50 mic
Moisture Vapor Transmission Rate (MVTR) - Inverted MVTR cup method: 37.8°C, 25% RH, 24 hours	857 g/m ² - day
Typical wear on human skin - Visual examination where > 90% of adhesive bandage is firmly adhered	7 – 14 days

Test performed according to ISO 10993

Tests	results
ISO 10993-5; Test for in vitro cytotoxicity - 24 hours @ 37°C in Minimum Essential Medium (MEM)	No evidence
ISO 10993-10; Test for irritation - Examine for erythema & edema on 1, 24, 48 & 72 hours as well as 7 & 14 days	(PII) 0.5, slight irritation
ISO 10993-10; Test for sensitization - Buehler Sensitization Test Procedure	No evidence

***DISCLAIMER:**

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NMC Products (M) Sdn. Bhd. (199001012587, 204157-K)

No. 16, Jalan Bulan U5/171, Seksyen U5, Subang 2, 40150 Shah Alam, Selangor Darul Ehsan, Malaysia

Tel: +603-7847 6328

Handphone:



+019-231 6328

+603-7847 6327

+019-355 8198

Fax: +603-7847 5535

SST Registration No.: W10-1808-21004500

Email: sales@nmc.com.my

Website: www.nmc.com.my