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KN-2211®
Medical Grade Pressure Sensitive
Adhesive

Product Description:

KN-2211® is a thin polyester film coated on both sides with a medical grade, pressure sensitive adhesive. This adhesive is mostly used for assay based diagnostic test strip assembly. KN-2211® adhesive features the following characteristics: inert, non-migratory, U.V. resistant, non-yellowing, excellent ageing.

Supply Format

In rolls, die cut sheets and/or laminated to plastic substrates and/or filter media, as a support and backing card for Lateral Flow Immunoassays, also known as "Rapid Diagnostic Tests".

Users

The product is used for general purpose bonding such as for assembly / fixation of membrane and filtration media in medical diagnostic devices and lateral flow assays among other applications. This adhesive is widely used in Health Care Applications. The adhesive has been tested by an independent laboratory according to Federal Hazardous Substances Act Regulations 16 CFR 1500.41 and 40 CFR 772.112-15. It meets requirement for classification as a Non-Irritant.

Composition

Release liner - 75 lbs. white, Poly coated paper two sides.

Adhesive: Medical Grade PSA
 Carrier: 0.5 Mil Polyester Film
 Adhesive: Medical Grade PSA

Typical Physical Properties

Thickness	Mils	Microns	Gravimetric
Unwind Adhesive	1.2	30	23 lbs./rm.
Carrier	0.5	13	11 lbs./rm.
Liner Adhesive	1.2	30	23 lbs./rm.
Liner	5.5	140	74 lbs./rm.

Peel Strength	Ounces / Inch	Newtons - 100 MM
Exposed Adhesive	60	660
Liner Adhesive	60	660

Shear Strength	Area	Load	Value (hrs.)
Exposed Adhesive	Sq. In.	2.2 Lbs.	100+
Liner Adhesive	(6.54 Sq. Cm)	(1.0 Kg.)	100+

Temperature Information	Fahrenheit	Celsius
Application Temperature (Range)	50 - 150	10 - 65
Maximum Continuous Use	225	108
Intermittent Use	250	121

Biocompatibility	Primary Dermal-Pass	Buehler-Pass
Cytotoxicity-Pass		

Traceability

Material traceability complies with current Good Manufacturing Practices. Each shipment of material will contain a lot number, which is traceable through production records. Certificate of Conformance will accompany each shipment.

Surface Preparation

As with all pressure sensitive tapes, it is essential that the surface to which the tape is applied be clean, dry, and free of contaminants such as dust or oily substances.

Recommended Storage Conditions & Shelf Life:

2 years when stored at 70 °F (21 °C), 50% relative humidity, out of direct sunlight.

Please Note:

The information given above is based on laboratory test data we believe to be accurate. Please consider these values as guides rather than absolutes. Typical values are not intended to be used for specification development. All users of the material are responsible for assuring that it is suitable for their needs, environment and use.