

3M™ CoTran™ 9701 Backing

Polyurethane Film

Description:

This backing is a soft, conformable polyurethane film that provides moderate moisture vapor transmission properties. The standard product is supplied with a carrier for easy handling in the fabrication of transdermal, topical and transmucosal drug delivery systems.

Characteristics:

- Soft, skin-like and translucent
- Conformable
- Excellent chemical resistance with many formulations
- Semi-occlusive
- Provided on carrier for ease of handling
- Can be directly laminated to adhesive
- No Corona treatment
- Manufactured for use in pharmaceutical products

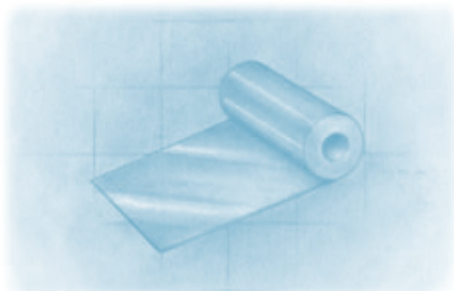
Film Properties:

Test data presented are average values and are not intended to be used for specification purposes.

| Properties: | Nominal Values U.S. | Nominal Values Metric |
|-----------------------------|------------------------|--------------------------|
| Caliper | | |
| Without carrier | 2 mils | 51.8 μm |
| With carrier | 7 mils | 178 μm |
| Tensile | | |
| MD | 17.5 lbs./in. | 77.8 N/25.4 mm |
| CD | 17.5 lbs./in. | 77.8 N/25.4 mm |
| Elongation | | |
| MD | 500 % | 500 % |
| CD | 500 % | 500 % |
| MVTR | | |
| (g/m ² /24 hr) | 709 | 709 |
| Oxygen Transmission | | |
| (cc/m ² /24 hr) | 4858 | 4858 |
| Removal from Carrier | | |
| | 0.9 oz./in. | 25 g/25.4 mm |



Backings



3M Drug Delivery Systems

3M™ CoTran™ 9701 Polyurethane Film

General Information:

| | Nominal Values U.S. | Nominal Values Metric |
|------------------------------------|---|---|
| Length: | | |
| Maximum | 850 yds. on 3 in. I.D. cores | 777 m on 76 mm I.D. cores |
| Approximate roll diameters | 850 yds. – 17 in. 500 yds. – 13 in. 250 yds. – 10 in. | 777 m – 43 cm 457 m – 33 cm 229 m – 25 cm |
| Width: | | |
| Maximum | TBD | TBD |
| Sample Roll: | 25 yds. × 6 in. | 23 m × 15 cm |
| Minimum Order Quantity: | 134 yd ² | 111 m ² |

Traceability:

Each roll and shipment will contain a lot number which is traceable through production records to input materials and process conditions. Material traceability will be in compliance with United States current Good Manufacturing Practices (cGMP).

Product Safety:

Product safety is characterized by the following evaluations:

- In vitro* Cytotoxicity
- Primary Skin Irritation
- USP Plastics Class V Extraction
 - Intracutaneous Irritation
 - Acute Systemic Toxicity

Storage Conditions:

The product should be stored at temperatures between 32–86°F (0–30°C) and relative humidity less than 75 percent. Stability testing is in progress. Estimated shelf life is two (2) years from the date of manufacture, when stored under recommended conditions.

Product Use:

Customer is solely responsible for determining the suitability of Transdermal Components for the intended use and performing any necessary safety testing.

For More Information, Please Call:

U.S.A. (800) 643-8086

Europe 44 (1509) 613070

Japan (03) 3709-9671

www.3M.com/DDS



See 3M General Conditions of Sale for Transdermal Components for warranty information and other terms of sale.

3M

Drug Delivery Systems

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