

Preliminary Technical Data Sheet

MED 5739

Description:

MED 5739 is a single-coated, white polyurethane nonwoven with an acrylic adhesive designed for long-term wear. This product is soft, conformable and breathable.

Typical Application:

Designed as an over-patch for multi-week wear time applications such as glucose monitors, insulin pumps, activity trackers, and other mobile health and wellness products.

Features & Benefits:

- Breathable
- Conformable and flexible
- Demonstrated multi-week wear
- Biocompatible per ISO 10993
- Die-cuttable and easy to handle
- Sterilization compatibility with Ethylene Oxide (EO) and Gamma Irradiation

Product Construction:

	Typical Values		Description
Carrier Thickness	3 mils	75 μ m	
Adhesive Thickness	2 mils	51 μ m	Acrylic adhesive designed for medical applications
Liner thickness	3 mils	76 μ m	White super-calendered kraft

Physical properties (not intended as specification):

Physical Properties	Method	Typical Value	
Peel Adhesion on Polyethylene (PE)	TDS-01	0.8 lbf/in	3.5 N/25mm
Quick Stick (Glass)	TDS-05	4 lbf/in	18 N/25mm
90 Degree Liner Release	TDS-06	175 gf/2in	2.7 oz/in
Static Shear	TDS-12	760 minutes	
MVTR	TDS-16	740 [g/m ² -24hours]	

Shelf life:

Shelf life studies are ongoing for the product but based on similar products should maintain adhesive properties for two years when stored at 23°C (73°F), 50% relative humidity, out of direct sunlight, in original packaging.