

TECHNICAL DATA SHEET

MED 5638

Single-Coated Foam

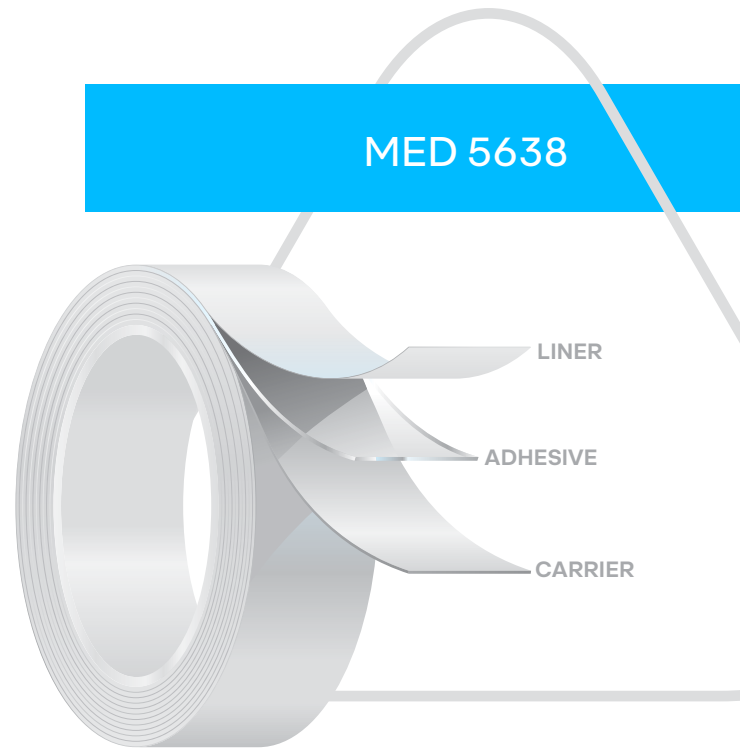
MED 5638 is a single-coated, white, soft, highly conformable, thin polyethylene foam with an acrylic adhesive. This product's high tack and high level of adhesion provide for a strong bond to the skin, even under stress conditions. It contains a heavy-duty liner with an easy release, ideal for converting.

TYPICAL APPLICATION

Designed for mounting electrodes, grounding pads and other devices for sustained periods.

FEATURES AND BENEFITS

- Thin and conformable
- Moisture resistant
- High adhesion to skin
- Die-cuttable
- Gamma and EtO sterilizable



Product Construction

	TYPICAL VALUES*		DESCRIPTION
CARRIER THICKNESS	31.3 mils	795 µm	White, closed-cell polyethylene foam
ADHESIVE THICKNESS	3.5 mils	90 µm	Acrylic adhesive designed for medical applications
LINER THICKNESS	6.5 mils	165 µm	White single-coated kraft

*Refer to product specifications for material acceptance limits.

MED 5638

Single-Coated Foam**Physical Properties** [Not intended as a specification]

	TEST METHOD*	TYPICAL VALUES†	
PEEL ADHESION ON POLYETHYLENE (PE)	TDS-01	1.3 lbf/in	5.5 N/25 mm
PEEL ADHESION ON STAINLESS STEEL (SS)	TDS-04	3.7 lbf/in	16.0 N/25 mm
LINER RELEASE	TDS-06	2.2 oz/in	60 g/25 mm
FINAT TACK	TDS-07	10.3 lbf/in	45 N/25 mm
STATIC SHEAR	TDS-12	1200 minutes	
ELONGATION			
MACHINE DIRECTION	TDS-15	650%	
CROSS DIRECTION	TDS-15	525%	
LOAD AT BREAK			
MACHINE DIRECTION	TDS-15	8 lbf/in	35 N/25 mm
CROSS DIRECTION	TDS-15	5 lbf/in	25 N/25 mm

*Test method information available upon request.

†Refer to product specifications for material acceptance limits.

STORAGE AND SHELF LIFE: Two years when stored at 23°C (73°F), 50% relative humidity, out of direct sunlight, in original packaging.

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