

# TECHNICAL DATA SHEET

## Five-Layer Superabsorbent Silicone Foam Border Dressing

The five-layer foam dressing is an absorbent, self-adherent, soft silicone wound dressing. It comprises a silicone wound contact layer, a polyurethane foam and superabsorbent fiber composite pad with high absorption capacity and a vapor-permeable, water- and bacteria-resistant polyurethane (PU) film outer layer. The silicone and polyurethane film extends beyond the perimeter of the composite pad to form an adhesive border. The silicone wound contact layer is perforated and is protected by a folded, transparent, embossed LDPE liner. The dressing is presented in a paper/poly pouch for single use and is supplied EtO sterile.

### Five-Layer Superabsorbent Silicone Foam Border Dressing



### TYPICAL APPLICATION

Designed for advanced wound care applications in the management of moderate to highly exuding, partial to full thickness wounds.

### FEATURES AND BENEFITS

- Soft and conformable pad
- Maintains a moist wound healing environment
- Breathable
- Moderate absorbency
- Gentle skin adhesion
- Bacterial and viral resistant, waterproof PU film layer
- Perforated silicone wound contact layer
- Atraumatic removal with minimal epidermal stripping

### Product Construction

	TYPICAL VALUES*		DESCRIPTION
PU FILM THICKNESS	1.2 mils	30 $\mu$ m	Polyurethane film
ADHESIVE THICKNESS	0.6 mils	15 $\mu$ m	Pattern-coated acrylic adhesive
PAD THICKNESS	157.5 mils	4000 $\mu$ m	Hydrophilic polyurethane foam and superabsorbent fiber composite pad
WOUND CONTACT LAYER ADHESIVE THICKNESS	5.9 mils	150 $\mu$ m	1.6 mm perforated soft silicone adhesive designed for medical applications
LINER THICKNESS	3.0 mils	75 $\mu$ m	Diamond-embossed LDPE

\*Refer to product specifications for material acceptance limits.

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### Physical Properties [Not intended as a specification]

	TEST METHOD*	TYPICAL VALUES†
ABSORPTION CAPACITY	TM048	70 g/100 cm <sup>2</sup>
MVTR	TDS-16	1600 g/m <sup>2</sup> per 24 hr
FLUID HANDLING CAPACITY	TDS-17	10 g/10 cm <sup>2</sup> per 24 hr
SILICONE PEEL ADHESION (POLYCARBONATE PLATE)	TM040	0.5–1.5 N/25 mm 0.1–0.3 lbf/in
SILICONE LINER RELEASE	TM020	0.05–0.5 N/25 mm 0.01–0.1 lbf/in

MVTR, moisture vapor transmission rate.

\*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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