Axelgaard

AG500 SERIES

AG548 DERMAL FASTENER GEL DESIGNED FOR ADHERING PRODUCT REPEATEDLY TO SKIN

PRODUCT SPECIFICATION - BULK ROLL HYDROGEL

Property / Test Method

Stainless Steel (Skin Side) Adhesion (180° Peel) Top Liner (Tie Side) Adhesion to Gel (90° Peel) Bottom Liner (Skin Side) Adhesion to Gel (90° Peel) Hydrogel Thickness Hydrogel pH Hydrogel Dimensions Top Release Liner Bottom Release Liner Cytotoxicity Test (ISO 10993-5) Irritation Test (ISO 10993-10) Sensitization Test (ISO 10993-10) Shelf Life Core Size

Specification

250 g/in (98 g/cm) min¹ 40 g/in (16 g/cm) max 180 g/in (71 g/cm) max 48 +/- 5 mils (1.2 +/- 0.1 mm) 3.75 (+/- 0.5) Width - 9" (22.9 cm), Length - 250' (76 m) +/-2% Width - 9.75" (24.8 cm), Thickness - 2 mil (0.05 mm) LDPE Width - 10" (25.4 cm), Thickness - 5 mil (0.13 mm) PET Non-Cytotoxic Non-Irritating Non-Sensitizing Slit - 6 months², Non-slit - 12 Months² Slit - 3" (8 cm), Non-slit - 6" (15 cm)

TYPICAL PROPERTIES - BULK ROLL HYDROGEL

Property / Test Method	Typical Properties
Stainless Steel (Skin Side) Adhesion (180° Peel)	450 g/in (177 g/cm) ¹
Top Liner (Tie Side) Adhesion to Gel (90° Peel)	16 g/in (6 g/cm)
Bottom Liner (Skin Side) Adhesion to Gel (90° Peel)	55 g/in (22 g/cm)
Hydrogel Thickness	48 mils (1.2 mm)
Hydrogel pH	3.8
Water Activity (a _W)	0.65

Stainless Steel is not a true measure of skin adhesion. AG548 has good "quick grab" and excellent restick.
Shelf life is for roll goods prior to conversion. Shelf life for finished goods is the responsibility of the converter.

Note: Converter assumes responsibility for material compatibility. However, should assistance be required, our professional chemical and engineering staff is availabe to support your technical needs.

STORAGE CONDITIONS					
Short-Term Temperature (Less than One Month)			32°F - 104°F (0°C - 40°C)		
Long-Term and Optimal Temperature		41°F - 80°F (5°C - 27°C)			
PACKAGING INFOR	RMATION				
Box Size		17″ x 17″ x 12″ (43 cm x 43 cm x 30 cm)			
Box Weight		Approx. 73 lbs. (33 kg)			
Pallet Size		Approx. 45" x 45" x 54" (114 cm x 114 cm x 137 cm)			
Pallet Weight (16 Boxes per Pallet)		Approx. 1,198 lbs. (543 kg)			
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Made in the USA	Patented	AG548 11/22		©2022 Axelgaard Manufacturing Co., Ltd.	

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RECOMMENDED STORAGE CONDITIONS FOR BULK ROLL HYDROGELS

Bulk roll hydrogels should be stored at ambient temperature at specific ranges noted below in Number 3a and 3b. Storage conditions outside these ranges can adversely affect product stability and product performance.

THE FOLLOWING POINTS SHOULD BE FOLLOWED TO ENSURE ANTICIPATED PRODUCT PERFORMANCE

- 1. Keep hydrogel out of direct sunlight
- 2. Store in the original packaging
- 3. Maintain ambient storage conditions through product expiration
 - a. Short-Term (less than one month) Temperature: 32°F 104°F (0°C 40°C)
 - b. Long-Term and Optimal Temperature: 41°F 80°F (5°C 27°C)
- 4. To prevent dry out of hydrogel, liners should be kept on at all times until the gel is used or converted.

SHELF LIFE

The shelf life of the bulk roll hydrogels is guaranteed only through the shelf life of the unconverted hydrogel. Axelgaard Manufacturing Co., Ltd. has stipulated an 12-month shelf life from the date of manufacture for AG548 non-slit bulk roll hydrogel and a 6-month shelf life from the date of manufacture for all slit bulk roll hydrogels.

NOTE: Axelgaard Manufacturing Co., Ltd. recommends compatibility testing of materials in contact with the hydrogel as certain materials may cause incompatibility problems when applied to the hydrogel.

PACKAGING SPECIFICATION

Master Roll Detail Bulk Roll Packaging Slit Gel Roll Packaging 26.25 MSI Units (1 MSI = 1,000 square inches) Plastic Plug Plastic Plug ø 9 Roll Length: 250' (76 m) +/-2% 6" (15.2 cm) 3" (7.6 cm) ò Diecut Pad **Diecut Pad** - Roll Width: 10" (25.4 cm) **Release Liner** $^{\circ}$ LDPE Top Liner Width: 9.75" (24.8 cm) 0 Slit Gel Roll Gel Roll **Release Liner** 0 **Double Core Plug** 9 **Diecut Pad** ò **Release Liner** Plastic Plug Slit Gel Roll 6" (15.2 cm) Max Diameter: 17" (43.2 cm) **Release Liner** $^{\circ}$ **PET Bottom Liner** Tie Layer Shipping Box Width: 10" (25.4 cm) (Wrapped in **Diecut Pad** Ó plastic bag) Plastic Plug • 3" (7.6 cm) Skin Layer Shipping Box (Wrapped in Gel Width: 9" (22.9 cm) plastic bag)

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AG548 11/22