Product Guide - AmGel Hydrogel





Our Mission:

Quality Manufacturing

Axelgaard Manufacturing's mission is to deliver high quality and consistent hydrogels. Our AmGel® brand patented hydrogels are used in products worldwide for varied applications.

Ground-breaking Research and Development, advanced industry expertise, and state-of-the-art equipment make Axelgaard one of the most sophisticated hydrogel manufacturers in the world.

Axelgaard is compliant with Good Manufacturing Practices (GMP) and ISO 13485:2016 MDSAP.



We invite you to learn more, connect and collaborate: www.axelgaard.com | support@axelgaard.com

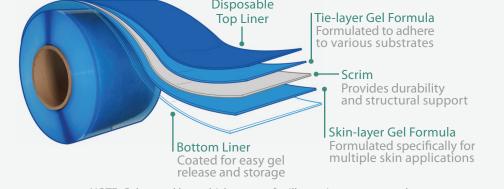
Our products are patent protected, see: www.axelgaard.com/PatentList



Axelgaard manufactures a full line of AmGel hydrogels in bulk rolls for a variety of applications- such as stimulation, sensing, defibrillation, surgical grounding pads, iontophoretic buffered return electrodes, skin care, wound care, fixation and custom formulations.

Hydrogel Technology

Patented multi-layer adhesive hydrogel formulations eliminate the performance problems associated with single-layer hydrogels. This multi-layer approach ensures maximum durability, longevity, and performance.



NOTE: Colors and layer thickness are for illustrative purposes only.

Services and Support

- Knowledgeable Engineering and R&D teams with the experience and technical ability to make your specialty product a reality.
- Dispense-And-Cure standard and custom formulated hydrogel for wearable biomedical devices.
- Standard and custom formulated hydrogel pads and tapes for medical products, skin fasteners, cosmetic skincare products, breaching, and more.
- Slitting capabilities to suit customers' specific requirements.
 The minimum slit width is 0.75" (2 cm).

AG500 Series Hydrogel

AG500 dermal fastener hydrogels are designed and formulated for adhering a product repeatedly to the skin. AG500 hydrogels are high tack adhesive hydrogels which provide a "quick grab" as well as excellent restick capabilities.



AG600 Series Hydrogel

AG600 sensing hydrogels are designed and formulated for use in electrocardiogram (ECG/EKG), electromyogram (EMG), defibrillation, and wireless monitoring applications. AG600 hydrogels are medium adhesive tack hydrogels with excellent re-adhesion capabilities for skin interface.



250' (76 m)

AG640 40 mils (1.0 mm) 9" (22.9 cm)

AG700 Series Hydrogel

AG700 stimulating hydrogels are formulated for TENS and muscle stimulation applications. Designed for use with conductive carbon film, AG700 hydrogels are some of the most durable hydrogels on the market and offer optimal bonding to the substrate with multiple applications to skin.



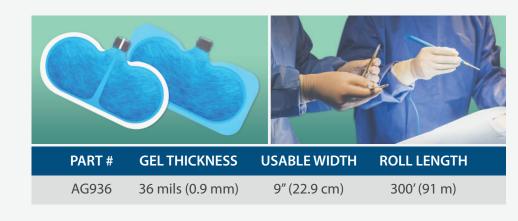
AG800 Series Hydrogel

AG800 buffer hydrogels are designed specifically for iontophoresis buffered return electrodes. Through unique buffer technology, AG800 hydrogels offer a stable environment to prevent skin burns and irritation.



AG900 Series Hydrogel

AG900 grounding hydrogels are specifically designed for use in high frequency grounding pads. AG900 hydrogels feature excellent cohesion, adhesion, and offer corrosion resistance to aluminum.



AG2500 Series Hydrogel

AG2500 premium multi-use high-tack hydrogels are designed and formulated for a variety of uses, including sensing, stimulation, and fastener applications. These soft and elastic hydrogels exhibit excellent restick and high tack adhesion characteristics.









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