

AmGel[®] Hydrogel

application chart and features
(custom slitting available)

FEATURES	AG548	AG625	AG635	AG640	AG730
Sensing		X	X	X	
Defibrillation		X	X	X	
Stimulation		X	X	X	X
Direct Current/Iontophoresis					
Surgical Grounding Pads					
Fastening	X				
Adhesive Tack	HIGH	MEDIUM	MEDIUM	MEDIUM	MEDIUM
Gel Thickness	48 mils (1.2 mm)	25 mils (0.6 mm)	35 mils (0.9 mm)	40 mils (1.0 mm)	30 mils (0.8 mm)
Gel Dimensions	Width - 9" (23 cm) Length - 250' (76 m)	Width - 9" (23 cm) Length - 300' (91 m)	Width - 9" (23 cm) Length - 300' (91 m)	Width - 9" (23 cm) Length - 300' (91 m)	Width - 9" (23 cm) Length - 300' (91 m)
Top Release Liner	Width - 9.75" (25 cm) 2 mil (0.05 mm) LDPE	Width - 9.75" (25 cm) 2 mil (0.05 mm) LDPE	Width - 9.75" (25 cm) 2 mil (0.05 mm) LDPE	Width - 9.75" (25 cm) 2 mil (0.05 mm) LDPE	Width - 9.75" (25 cm) 2 mil (0.05 mm) LDPE
Bottom Release Liner	Width - 10" (25 cm) 5 mil (0.13 mm) PET	Width - 10" (25 cm) 5 mil (0.13 mm) PET	Width - 10" (25 cm) 5 mil (0.13 mm) PET	Width - 10" (25 cm) 5 mil (0.13 mm) PET	Width - 10" (25 cm) 5 mil (0.13 mm) PET
Compatible Substrate	Variety of substrates	Silver inks, conductive carbon films. Not compatible with foils or metals.	Silver inks, conductive carbon films. Not compatible with foils or metals.	Silver inks, conductive carbon films. Not compatible with foils or metals.	Silver inks, conductive carbon films, and conductive fabrics
Volume Resistivity [Ω -cm]	Not Applicable	425* (≤ 1000)	350* (≤ 1000)	340* (≤ 1000)	1100* (≤ 1500)
Process Shelf Life	Non-Slit 1 Year Slit 6 Months	Non-Slit 1 Year Slit 6 Months	Non-Slit 1 Year Slit 6 Months	Non-Slit 1 Year Slit 6 Months	Non-Slit 1 Year Slit 6 Months

AmGel[®] Hydrogel

application chart and features
(custom slitting available)

FEATURES	AG735	AG835	AG936	AG2450	AG2550
Sensing				X	X
Defibrillation					
Stimulation	X			X	X
Direct Current/Iontophoresis		X			
Surgical Grounding Pads			X		
Fastening				X	X
Adhesive Tack	MEDIUM	MEDIUM	MEDIUM	HIGH	HIGH
Gel Thickness	35 mils (0.9 mm)	35 mils (0.9 mm)	36 mils (0.9 mm)	40 mils (1.0 mm)	50 mils (1.3 mm)
Gel Dimensions	Width - 9" (23 cm) Length - 300' (91 m)	Width - 9" (23 cm) Length - 300' (91 m)	Width - 9" (23 cm) Length - 300' (91 m)	Width - 9" (23 cm) Length - 250' (76 m)	Width - 9" (23 cm) Length - 250' (76 m)
Top Release Liner	Width - 9.75" (25 cm) 2 mil (0.05 mm) LDPE	Width - 9.75" (25 cm) 2 mil (0.05 mm) LDPE	Width - 9.75" (25 cm) 2 mil (0.05 mm) LDPE	Width - 9.75" (25 cm) 2 mil (0.05 mm) LDPE	Width - 9.75" (25 cm) 2 mil (0.05 mm) LDPE
Bottom Release Liner	Width - 10" (25 cm) 5 mil (0.13 mm) PET	Width - 10" (25 cm) 5 mil (0.13 mm) PET	Width - 10" (25 cm) 5 mil (0.13 mm) PET	Width - 10" (25 cm) 5 mil (0.13 mm) PET	Width - 10" (25 cm) 5 mil (0.13 mm) PET
Compatible Substrate	Silver inks, conductive carbon films, and conductive fabrics	Carbon films	Aluminum foil	Silver inks, conductive carbon films. Not compatible with foils or metals.	Silver inks, conductive carbon films. Not compatible with foils or metals.
Volume Resistivity [Ω ·cm]	1100* (\leq 1500)	24000* (15000-30000)	4200* (\leq 7000)	600* (\leq 1000)	550* (\leq 1000)
Process Shelf Life	Non-Slit 1 Year Slit 6 Months	Non-Slit 1 Year Slit 6 Months	Non-Slit 1 Year Slit 6 Months	Non-Slit 1 Year Slit 6 Months	Non-Slit 1 Year Slit 6 Months