DUPONT™ Liveo™

Innovative DuPont™ Liveo™ Silicone Adhesives for your medical devices

Application & product selection guide

Adhesives

Pressure sensitive adhesives (PSAs) and soft skin adhesives (SSAs) can be used for wearable monitoring devices, wound care products, medical device attachments, external prosthetic devices and specialty cosmetic applications.

Innovation meets expertise

You want to explore new directions and create the next generation of medical device technology. You have a powerful ally with DuPont™ Liveo™. When we're part of your team, you're backed by our expertise and our culture of discovery and innovation, nurtured by decades of proven performance. You'll find a depth of knowledge not just in silicone chemistry, but in the medical device industry and process technology.

	Benefits	Product description	Typical applications	Processing methods
PSAs				
DuPont™ Liveo™ MG Series Pressure Sensitive Adhesives for Medical Devices	• Biocompatibility (non-irritating and non-sensitizing) • High adhesion and conformity to skin • Adhesion for extended wear time • High gas and moisture permeability • Available in a range of tack options, solvent types and solid contents to help meet application needs and processing constraints	One-part, polycondensed polydimethylsiloxane/ silicate resin adhesives Volatile solvent-based silicone adhesives	• Non-sensitizing adherence of medical devices/ appliances (colostomy, ileostomy, surgical dressings/pads, external prosthetic devices and patient monitoring)	Formulate and package as a spray adhesive
				Uses conventional tape coating equipment • Transfer coating • Brushing process
		One-part, polycondensed polydimethylsiloxane/ silicate resin adhesive Hot-melt silicone adhesive		Can be applied using conventional hot-melt coating equipment
SSAs				
DuPont™ Liveo™ MG Series Soft Skin Adhesives	• Biocompatibility (non-irritating and non-sensitizing) • Tackiness • Gentle removal from skin • Repositionability to skin • Available in a range of softness and adhesion options to help meet application needs	• Two-part (1:1 by weight), platinum-catalyzed, soft fillerless elastomeric adhesive • Two-part, solventless, low-viscosity silicone adhesive • Transparent	• Non-sensitizing, gentle adhesion to skin (wound care and scar therapies)	Knife-over-roll coating process is recommended

Specification writers: These values are not intended for use in preparing specifications. Please contact a DuPont representative prior to writing specifications on these products. Adhesion promoters are available. Please contact your DuPont representative for details.

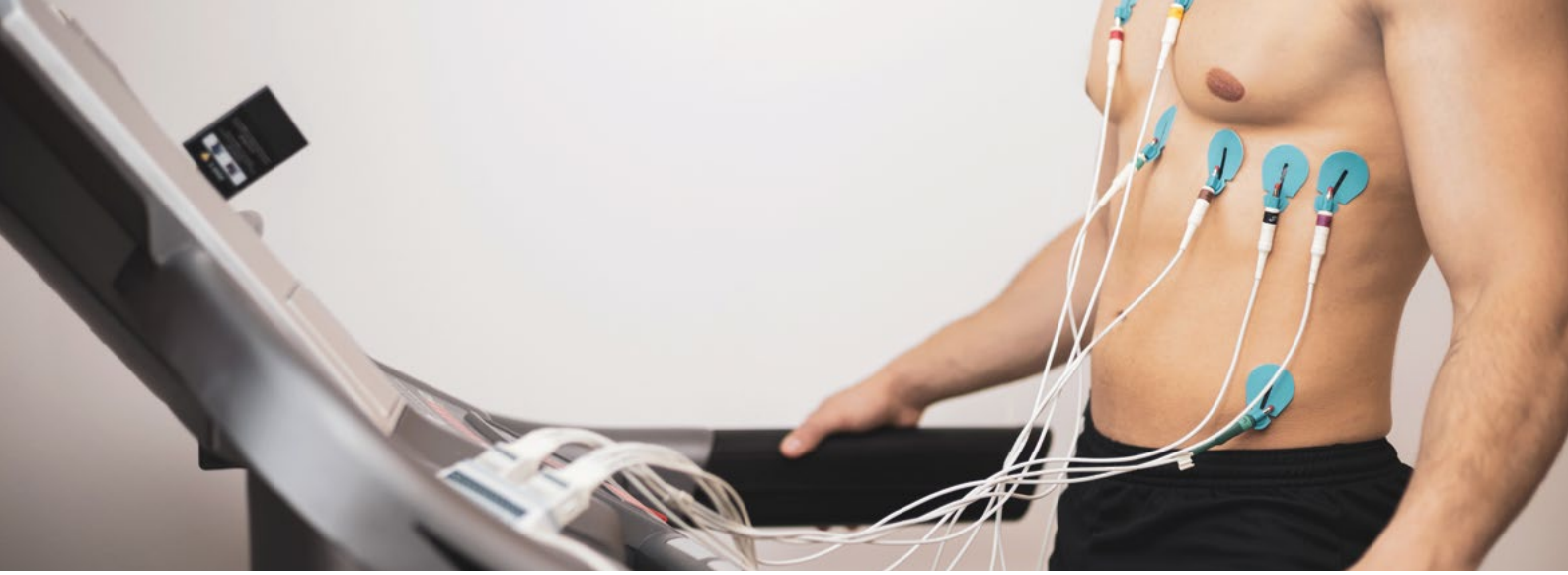
Products	Biocompatibility testing: Cytotoxicity	Biocompatibility testing: Skin irritation	Biocompatibility testing: Skin sensitization	FDA Drug Master File	Solvent type	Solid content, %	Viscosity at 25°C, cP	Melt viscosity at 185°C, cP	Nominal tack value	Peel adhesion, g/cm	Shear, kg
DuPont™ Liveo™ MG-2401 Silicone Adhesive[1]	•	•	•		Hexa-methyldi-siloxane	32	90	Not applicable	Medium	700	21
DuPont™ Liveo™ MG-2402 Silicone Adhesive[1]	•	•	•		Ethyl Acetate	64	2500	Not applicable	Medium	700	21
DuPont™ Liveo™ MG-2502 Silicone Adhesive[1]	•	•	•		Ethyl Acetate	59	2000	Not applicable	High	670	16
DuPont™ Liveo™ MG-2410 Silicone Adhesive[1]	•	•	•		Not applicable	100	Not applicable	30300	Very high	590	9

Products	Biocompatibility testing: Cytotoxicity	Biocompatibility testing: Skin irritation	Biocompatibility testing: Skin sensitization	FDA Drug Master File	Viscosity (Part A), mPa•s	Viscosity (Part B), mPa•s	Penetration after cure, mm/10	Adhesion, N/2.5 cm	Release, N/2.5 cm
DuPont™ Liveo™ 7-9700 Soft Skin Adhesive	•	•	•		500	320	90	0.6	0.11
DuPont™ Liveo™ MG 7-9800 Soft Skin Adhesive	•	•	•	•	500	320	90	0.6	0.11
DuPont™ Liveo™ MG 7-9850 Soft Skin Adhesive	▲	▲	▲	•	2900	2900	135	1.1	0.03
DuPont™ Liveo™ MG 7-9900 Soft Skin Adhesive	▲	▲	▲	•	5100	5100	140	1.9	0.05
DuPont™ Liveo™ MG 7-9960 Soft Skin Adhesive[2]	•	•	•		5000	5000	145	2.8	0.06

[1]Based on test results on adhesive solids.

[2]DuPont™ Liveo™ MG 7-9960 SSA has been designed to meet the Substance of Very High Concern (SVHC) threshold for Concerned Cyclosiloxanes (below 0.1%) proposed by REACH regulation (EC) No 1907/2006.

▲ Based on biocompatibility test data from analogous materials.



About DuPont™ Liveo™

DuPont™ Liveo™ is a globally recognized leader in technology for a broad range of innovations in medical devices, biopharmaceutical processing and pharmaceutical solutions. DuPont high-performance materials help create safer healthcare environments and protect the health of patients and healthcare providers worldwide. We help enable smarter healthcare and positive patient solutions.

For more information about DuPont™ Liveo™ Medical Device Solutions

For further information about Liveo™ solutions for medical device applications, visit **liveo.dupont.com** – or scan the QR code at right to be taken directly to our medical device solutions web page.

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