



Dow Corning® MG 7-1010 Soft Skin Adhesive for Medical Device Applications

Features & Benefits

- High Adhesion
- Transparent
- No Cold Flow
- Solventless Coating Process
- Primerless
- Low Viscosity
- Maintains Strength at Lower Thicknesses
- Design Flexibility
- Transfer and Direct Coating
- Fast Cure at Various Temperatures
- Manufacturing Flexibility

Proven Performance. Trusted Expertise.

Dow Corning® MG 7-1010 Soft Skin Adhesive can be used for wearable monitoring devices, wound care products, medical tape applications and medical device attachments. This newest addition is our highest-adhesion soft skin adhesive. It also provides design flexibility: You can tune the coat weight and adhesion level, giving you greater flexibility in manufacturing. This adhesive has high anchorage properties that can be direct or transfer coated.



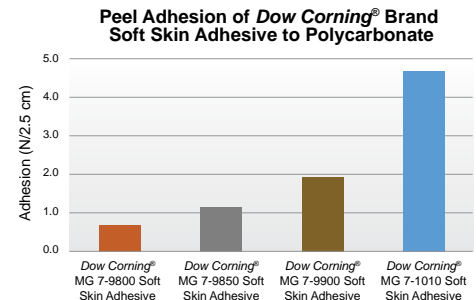
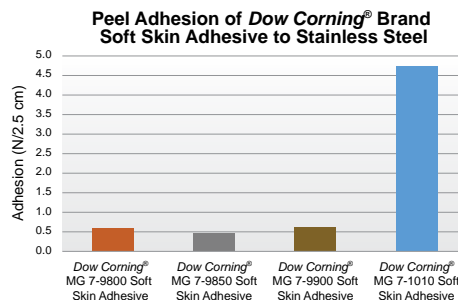
High Adhesion for Desired Performance

Dow Corning MG 7-1010 Soft Skin Adhesive is a two-part, low-viscosity silicone adhesive with our highest adhesion level. It provides excellent adhesion to stainless steel and polycarbonate substrates.

Dow Corning® MG 7-1010 Soft Skin Adhesive Physical Property Data

CTM	PROPERTY	UNIT	RESULT
0050	Viscosity Part A	mPa·s	2,100
0050	Viscosity Part B	mPa·s	1,400
1228	Penetration (Hardness after cure)	mm/10	60
0964A	Release Force*	N/2.5 cm	0.01
0964A	Peel Adhesion**	N/2.5 cm	4.7

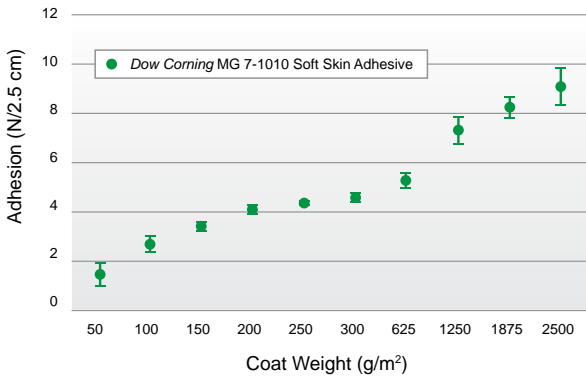
*Release Liner – fluoropolymer treated film **Using polycarbonate film



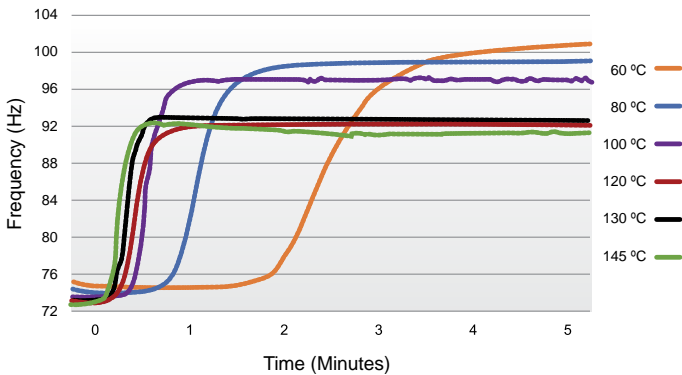
Flexibility for Tuned Performance

Dow Corning® MG 7-1010 Soft Skin Adhesive maintains adhesive strength — even at lower coat weights. This allows you to fine-tune the performance you want for your specific application. The adhesive also offers fast cure rates across a wide range of temperatures for manufacturing flexibility.

Dow Corning MG 7-1010 Soft Skin Adhesive
Adhesion at Various Coat Weights



Dow Corning MG 7-1010 Soft Skin Adhesive
Cure Profile at Different Temperatures



	60 °C	80 °C	100 °C	120 °C	130 °C	145 °C
t90 (Seconds)	202	97	56	51	41	37

Cure profiling conducted using a RAPRA SVNC (Scanning Vibrating Needle Curemeter)
t90 is the time required for the frequency curve to reach 90% of maximum frequency (based on initial frequency)

Innovation Meets Expertise

You want to explore new directions and create the next generation of medical device technology. We offer a broad range of adhesives and can collaborate with your designers to find the right solution. When we are part of your team, you are backed by our expertise and our culture of discovery and innovation, nurtured by six decades of proven performance. You will find a depth of knowledge not just in silicone chemistry, but in the medical device industry and process technology.

Contact Dow Corning

When you need innovation, Dow Corning can help. Dow Corning® brand solutions are dedicated to meeting your needs for specialty materials, collaborative problem-solving and innovation support. Learn how we can help you at dowcorning.com/healthcare.

Your Global Connection

Dow Corning has sales offices and manufacturing facilities worldwide, as well as full-service, global technical support. Contact us today by visiting dowcorning.com/ContactUs.

Images: AV14444, AV24799

HANDLING PRECAUTIONS

PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. BEFORE HANDLING, READ PRODUCT AND SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION. THE SAFETY DATA SHEET IS AVAILABLE ON THE DOW CORNING WEBSITE AT DOWCORNING.COM, OR FROM YOUR DOW CORNING SALES APPLICATION ENGINEER, OR DISTRIBUTOR, OR BY CALLING DOW CORNING CUSTOMER SERVICE.

LIMITED WARRANTY INFORMATION – PLEASE READ CAREFULLY

The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that our products are safe, effective and fully satisfactory for the intended end use. Suggestions of use shall not be taken as inducements to infringe any patent.

Dow Corning's sole warranty is that our products will meet the sales specifications in effect at the time of shipment.

Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted.

TO THE FULLEST EXTENT PERMITTED BY APPLICABLE LAW, DOW CORNING SPECIFICALLY DISCLAIMS ANY OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY.

DOW CORNING DISCLAIMS LIABILITY FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES.

Dow Corning is a registered trademark of Dow Corning Corporation. The Corning portion of the Dow Corning trademark is a trademark of Corning Incorporated, used under license. Instron® is a registered trademark of Illinois Tool Works Inc.

©2016 Dow Corning Corporation, a wholly owned subsidiary of The Dow Chemical Company. All rights reserved.

AMP346-16

Form No. 52-1258-01

