**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**

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

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

**Peel Adhesion of Dow Corning® Brand Soft Skin Adhesive to Stainless Steel**

Peel adhesion to stainless steel performed using an Instron® Electromechanical Testing System

**Peel Adhesion of Dow Corning® Brand Soft Skin Adhesive to Polycarbonate**

Peel adhesion to polycarbonate testing performed using a TA.XT.plus Texture Analyzer

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**Advancing healthcare through material innovations**
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.

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.

<table>
<thead>
<tr>
<th>Temperature</th>
<th>t90 (Seconds)</th>
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<tbody>
<tr>
<td>60 °C</td>
<td>202</td>
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<tr>
<td>80 °C</td>
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<tr>
<td>100 °C</td>
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<tr>
<td>120 °C</td>
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<tr>
<td>130 °C</td>
<td>41</td>
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<tr>
<td>145 °C</td>
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</table>

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).

Images: AV1444, AV24799

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