Modus Advanced, Inc.'s AD120-0301 Form-in-Place gaskets are a one-component silicone sealant and adhesive that cures when exposed to ambient humidity at room temperature. This material has excellent electrical insulation properties as well as the superior weather, ozone and chemical resistance typical of silicone. The paste-like consistency of this compound allows for application on vertical and overhead surfaces in addition to horizontal surfaces. The uncured body of this material is also sufficient to adhere small objects during the curing process. AD120-0301 exhibits both low temperature flexibility and high temperature performance.

**FEATURES AND BENEFITS**

- One component
- Paste-like consistency
- Flexible over a wide temperature range
- Excellent electrical insulation properties
- High temperature performance
- Cures in room temperature and ambient humidity conditions

**APPLICATIONS**

- Bonding and sealing
- Electrical insulation
- Joining metals and plastics
- Vertical and overhead uses in thicknesses of up to 6 mm (1/4 in.)

**METHOD OF APPLICATION:**

- Automated dispensing equipment

**LIMITATIONS:** Not recommended for the following applications:

- Delicate electrical and electronic components where corrosion is possible
- Sealant thicknesses greater than 6 mm (1/4 in.)

**TYPICAL PROPERTIES**

<table>
<thead>
<tr>
<th>Property</th>
<th>Unit</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>TYPICAL UNCURED PROPERTIES</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Color(s)</td>
<td></td>
<td>White, black or translucent</td>
</tr>
<tr>
<td>Consistency</td>
<td></td>
<td>Soft, spreadable paste</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td></td>
<td>1.04</td>
</tr>
<tr>
<td>Application Rate</td>
<td>g/minute</td>
<td>410</td>
</tr>
<tr>
<td>Tack-free time</td>
<td>minutes</td>
<td>25</td>
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<tr>
<td><strong>PHYSICAL PROPERTIES CURED</strong></td>
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<td></td>
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<tr>
<td>Mechanical</td>
<td></td>
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</tr>
<tr>
<td>Hardness, Shore A</td>
<td>durometer</td>
<td>23</td>
</tr>
<tr>
<td>Tensile Strength</td>
<td>kg/cm²  (lb/in²)</td>
<td>20.6 (300)</td>
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<tr>
<td>Elongation</td>
<td>%</td>
<td>450</td>
</tr>
<tr>
<td>Shear Adhesion¹</td>
<td>kg/cm²  (lb/in²)</td>
<td></td>
</tr>
<tr>
<td>Peel Adhesion²</td>
<td>kg/cm  (lb/in)</td>
<td>6.6(37)</td>
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<tr>
<td>Electrical</td>
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<tr>
<td>Dielectric strength</td>
<td>kV/mm (v/mil)</td>
<td>20 (500)</td>
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<tr>
<td>Dielectric constant at 60Hz</td>
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<tr>
<td>Dissipation factor at 60Hz</td>
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<td>0.0026</td>
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<tr>
<td>Volume resistivity</td>
<td>Ohm·cm</td>
<td>2.5 x 10¹⁴(Ω)</td>
</tr>
</tbody>
</table>

**CUSTOMERS ALSO SEARCHED:**

- form in place gasket
- liquid gaskets
- liquid gasket
- liquid gasket
- liquid gasket
- liquid gasket
- form in place
- conductive material
- form in place gaskets
- dispersed gaskets
- dispensed gasket
- form-in-place
- Dispensed gasket
- conductive gasket
- conductive gasket
- liquid gasket
- paste gasket
- emi gasket
- conductive silicone
- conductive silicone
- emi silicone
- emi shielding gasket
- formed gasket
- electrically conductive gasket
- conductive gasket
- silver silicone
- nickel graphite silicone

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We are Modus! With multiple locations in North America and China, Modus Advanced, Inc. is a diversified custom manufacturer which converts EMI Shielding, Environmental Gasket Materials, Microwave Absorbers, Acoustic Materials, Thermal Interface Materials and other high performance materials into finished parts. Modus utilizes its 40 years as an established provider of high quality, reliable products to create precisely what customers specify. Innovative processes; custom fabrication utilizing performance materials; an on time delivery record of more than 99% means Modus is well positioned to help your company succeed.

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