

# FORM IN PLACE GASKETS

## AD120-0301

### MOMENTIVE IS803 ADHESIVE SEALANT



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		
Property	Unit	Value
TYPICAL UNCURED PROPERTIES		
Color(s)		White, black or translucent
Consistency		Soft, spreadable paste
Specific Gravity		1.04
Application Rate	g/minute	410
Tack-free time	minutes	25
PHYSICAL PROPERTIES CURED		
<b>Mechanical</b>		
Hardness, Shore A	durometer	23
Tensile Strength	kg/cm <sup>2</sup> (lb/in <sup>2</sup> )	20.6 (300)
Elongation	%	450
Shear Adhesion <sup>1)</sup>	kg/cm <sup>2</sup> (lb/in <sup>2</sup> )	
Peel Adhesion <sup>2)</sup>	kg/cm (lb/in)	6.6(37)
<b>Electrical</b>		
Dielectric strength	kV/mm (v/mil)	20 (500)
Dielectric constant at 60Hz	-	2.9
Dissipation factor at 60Hz	-	0.0026
Volume resistivity	Ohm-cm	2.5 x 10 <sup>14(1)</sup>

#### CUSTOMERS ALSO SEARCHED:

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

MODUS ADVANCED TAKES YOU FROM IDEA TO IGNITION



IDEA



ENGINEERING



SOLUTION



IGNITION



PICK A MATERIAL

TURN-KEY DISPENSED SOLUTIONS

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.

This information is based on data believed to be reliable, but Modus makes no warranties, expressed or implied, as to its accuracy and assumes no liability arising out of its use. The data listed falls within the normal range of product properties, but should not be used to establish specification limits or used alone as the basis of design. Modus' liability to purchasers is expressly limited to the terms and conditions of sales listed on our website.