



Western Rubber & Supply, Inc.'s WesLastomer™ AD120-0301 Form-in-Place is a one-component sealant and adhesive that cures to a silicone rubber 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.



METHOD OF APPLICATION: This material is applied as a paste and adheres to many substrates.

TYPICAL PROPERTIES		
Property	Unit	Value
<b>Typical Uncured Properties</b>		
Color(s)	-	White, black or translucent
Consistency	-	Soft, spreadable paste
Specific Gravity	-	1.04
Application rate	g/minute	410
Tack-free time	minutes	25
<b>Physical Properties Cured</b>		
<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> )	10.8 (150)
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</sup> <sup>(1)</sup>
(1) At 100% cohesive failure; (2) To anodized aluminum		

APPLICATIONS

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

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

ADDITIONAL PROPERTIES

- Colors: White, black, translucent and aluminum
- Cure time (3 mm or 1/8 in. sealant thickness): 24 hours at 25°C (77°F) and 50% R.H.

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.)