

## Momentive Performance Materials LVG342 Low Volatile Silicone Adhesive, Mixed, White

Category : Polymer , Adhesive , Thermoset , Silicone , Silicone, RTV, Adhesive/Sealant Grade

### Material Notes:

LVG342 low volatile silicone adhesive is a two component, thixotropic silicone adhesive that cures very quickly at elevated temperatures to a durable elastomer. LV342 was specifically developed for applications that are sensitive to volatile siloxane species. For many applications, LVG342 is able to provide a very low level of volatility and out-gassing without the need for an extended post-cure bake cycle. Mixed 10A:1B, cured 1 hour @ 150°C. Key Performance Properties: Very low controlled out-gassing and silicone volatiles Very fast cure at elevated temperatures Primerless adhesion to many substrates Outstanding compression set and CSR properties Excellent dielectric properties Ideal consistency for robotic dispensing Extended operating temperature performance Applications: LVG342 low volatile silicone adhesive may be suitable for use in applications where the end-use application requires the high performance characteristics of a silicone, but is potentially functionally sensitive to low molecular weight, volatile siloxane species which may be released, via out-gassing, from a standard silicone polymer. GE Silicones became a part of Momentive Performance Materials in 2006.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Momentive-Performance-Materials-LVG342-Low-Volatile-Silicone-Adhesive-Mixed-White.php](http://www.lookpolymers.com/polymer_Momentive-Performance-Materials-LVG342-Low-Volatile-Silicone-Adhesive-Mixed-White.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.19 g/cc	1.19 g/cc	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	40	40	
Tensile Strength, Ultimate	4.486 MPa	650.6 psi	
Elongation at Break	275 %	275 %	
100% Modulus	0.00131 GPa	0.190 ksi	
Adhesive Bond Strength	3.10 MPa	450 psi	Lap shear, steel to steel
Compression Set	<= 5.0 %	<= 5.0 %	24 hrs @ 85°C

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+14 ohm-cm	1.00e+14 ohm-cm	
Dielectric Strength	19.685 kV/mm	500.00 kV/in	

Processing Properties	Metric	English	Comments
Cure Time	10.00000 min	0.1666667 hour	
	@Temperature 175 °C	@Temperature 347 °F	

Processing Properties	15.0 min Metric	0.250 hour English	Comments
	@Temperature 150 Â°C	@Temperature 302 Â°F	
	20.0 min	0.333 hour	
	@Temperature 125 Â°C	@Temperature 257 Â°F	

Descriptive Properties	Value	Comments
Application rate	150g/min	
Catalyzed Work Life	12 hours	
Color	White	
Flow	0.2 inches	
Mix Ratio	10A:1B	
Volatility, siloxane	<200ppm	

## Contact Songhan Plastic Technology Co.,Ltd.

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