

Dow Corning 739 PLASTIC ADHESIVE

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

Material Notes:

One-part, white, moisture cure RTV, non-flowing, general purpose, UL 94 HB, good adhesion. Information provided by Dow Corning

Order this product through the following link:

http://www.lookpolymers.com/polymer_Dow-Corning-739-PLASTIC-ADHESIVE.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.52 g/cc	1.52 g/cc	
	@Temperature 25.0 °C	@Temperature 77.0 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	37	37	
Tensile Strength, Ultimate	1.55 MPa	225 psi	
Elongation at Break	640 %	640 %	
Shear Strength	1.38 MPa	200 psi	
Tear Strength	6.49 kN/m	37.0 pli	
Peel Strength	3.51 kN/m	20.0 pli	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	200 °C	392 °F	
Minimum Service Temperature, Air	-45.0 °C	-49.0 °F	
Flammability, UL94	HB	HB	

Electrical Properties	Metric	English	Comments
Volume Resistivity	6.10e+14 ohm-cm	6.10e+14 ohm-cm	
Dielectric Constant	3.7	3.7	
	@Frequency 100 Hz	@Frequency 100 Hz	
	3.7	3.7	
	@Frequency 100000 Hz	@Frequency 100000 Hz	
Dissipation Factor	0.0020	0.0020	
	@Frequency 100 Hz	@Frequency 100 Hz	

Electrical Properties	<= 0.0020 Metric	<= 0.0020 English	Comments
	@Frequency 100000 Hz	@Frequency 100000 Hz	

Processing Properties	Metric	English	Comments
Cure Time	1440 min	24.0 hour	
	@Temperature 22.0 °C	@Temperature 71.6 °F	
Shelf Life	15.0 Month	15.0 Month	

Descriptive Properties	Value	Comments
Color	Black	
	white	
Flowable	no	
Hydrophobic	yes	
Water Resistant	yes	

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