

## Momentive Performance Materials RTV133 Black, Flame Retardant, One Component Silicone Sealant

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

### Material Notes:

RTV 133 black, one-component, ready-to-use rubber adhesive sealant is recommended for evaluation in applications in the electronic, aerospace, appliance, transportation and other industries where resistance to burning of the finished product is a significant design consideration. On exposure to moisture in the air at room temperature, this adhesive sealant cures to a tough, durable, resilient silicone rubber. It utilizes a moisture vapor cure system, which releases an alcohol vapor from the sealant surface during cure. RTV133 sealant offers low odor cure with no unpleasant small or pungent cure by-products. It is, however, somewhat slower curing both in tack-free time and cure-through time than moisture vapor cure silicone adhesive sealants which give off acetic acid vapors as a cur by-product. Because RTV 133 sealant has a paste-like consistency and will flow only with external pressure, it is suitable for use on horizontal, vertical, and overhead surfaces in thicknesses to 6mm (1/4 in.). It has sufficient uncured body to adhere to small objects while cure is taking place. For applications requiring sealant thickness greater than 6mm (1/4 in.), GE Silicones one-component, addition cure or two-component silicone rubber compounds with similar properties are available. Key Performance Properties: One component product Thixotropic paste consistency Low flammability - UL94 rating of V-0 or V-1 Capability to cure at room temperature and ambient humidity conditions Self adhesion properties Resistance to high temperatures Low temperature flexibility Excellent weatherability and ozone and chemical resistance Excellent electrical insulation properties Non-halogen flame retardant 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-RTV133-Black-Flame-Retardant-One-Component-Silicone-Sealant.php](http://www.lookpolymers.com/polymer_Momentive-Performance-Materials-RTV133-Black-Flame-Retardant-One-Component-Silicone-Sealant.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.23 g/cc	1.23 g/cc	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	45	45	
Tensile Strength, Ultimate	4.51 MPa	654 psi	
Elongation at Break	250 %	250 %	
Adhesive Bond Strength	1.1768 MPa	170.68 psi	At 100% cohesive failure

Thermal Properties	Metric	English	Comments
CTE, linear	$\leq 270 \mu\text{m/m-}^\circ\text{C}$ @Temperature 20.0 °C	$\leq 150 \mu\text{in/in-}^\circ\text{F}$ @Temperature 68.0 °F	
Thermal Conductivity	0.210 W/m-K	1.46 BTU-in/hr-ft <sup>2</sup> - °F	

Thermal Properties	<b>≤ -60.0 Å°C</b> Metric	<b>≤ -76.0 Å°F</b> English	Comments
Flammability, UL94	V-0	V-0	
	@Thickness 3.38 mm	@Thickness 0.133 in	

Electrical Properties	Metric	English	Comments
Volume Resistivity	3.00e+15 ohm-cm	3.00e+15 ohm-cm	
Dielectric Constant	2.8	2.8	
	@Frequency 1000 Hz	@Frequency 1000 Hz	
Dielectric Strength	20.0 kV/mm	508 kV/in	
Dissipation Factor	0.0010	0.0010	
	@Frequency 100 Hz	@Frequency 100 Hz	

Processing Properties	Metric	English	Comments
Cure Time	60 min	1 hour	Tack-free

Descriptive Properties	Value	Comments
Application rate	650 g/min	
Color	Black	
Consistency	Soft, spreadable paste	

## Contact Songhan Plastic Technology Co.,Ltd.

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