

Momentive Performance Materials IS800.09 One-Component, Paste Consistency Silicone Rubber Adhesive Sealant, Aluminum

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

Material Notes:

IS800 series one-component, ready-to-use silicone adhesive sealants have a paste-like consistency and cure to silicone rubber on exposure to atmospheric moisture at room temperature. Because these paste-consistency products will flow only with external pressure, they may be applied to horizontal, vertical, and overhead surfaces in thicknesses up to 6mm (1/4 in.). They have sufficient uncured body to adhere to small objects while cure is taking place. ISO800 Series adhesives utilize a moisture vapor cure system and release acetic acid vapors from the sealant surface as a by-product of cure. Key Performance Properties: One-component product Thixotropic (paste-like) consistency Capability to cure at room temperature and ambient humidity conditions Excellent electrical insulation properties Excellent weatherability and ozone and chemical resistance Self-adhesion properties Low temperature flexibility High temperature performance Applications: The paste-consistency of these adhesive sealants make these products ideally suited for application to vertical and overhead surfaces where use of pourable self-leveling sealants would not be practical. These sealants may be used in thicknesses up to 6mm (1/4 in.) for bonding and sealing, joining metals and plastics, and electrical insulation. These sealants are not for use in delicate electrical and electronic applications in which corrosion of copper, brass, or other sensitive metals is undesirable. All IS800 series sealants are identical materials, differing only in color. 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-IS80009-One-Component-Paste-Consistency-Silicone-Rubber-Adhesive-Sealant-Aluminum.php

| Physical Properties | Metric | English | Comments |
|---------------------|-----------|-----------|----------|
| Specific Gravity | 1.04 g/cc | 1.04 g/cc | |

| Mechanical Properties | Metric | English | Comments |
|----------------------------|-----------|----------|---------------------------------|
| Hardness, Shore A | 23 | 23 | |
| Tensile Strength, Ultimate | 2.02 MPa | 293 psi | |
| Elongation at Break | 450 % | 450 % | |
| Adhesive Bond Strength | 1.03 MPa | 150 psi | Shear, at 100% cohesive failure |
| Peel Strength | 6.49 kN/m | 37.0 pli | To anodized aluminum |

| Electrical Properties | Metric | English | Comments |
|-----------------------|------------------|------------------|----------|
| Volume Resistivity | 2.50e+14 ohm-cm | 2.50e+14 ohm-cm | |
| Dielectric Constant | 2.9 | 2.9 | |
| | @Frequency 60 Hz | @Frequency 60 Hz | |
| Dielectric Strength | 20.0 kV/mm | 508 kV/in | |

| Electrical Properties | 0.0026 Metric | 0.0026 English | Comments |
|-----------------------|------------------|-------------------|----------|
| | @Frequency 60 Hz | @Frequency 60 Hz | |

| Processing Properties | Metric | English | Comments |
|-----------------------|----------|------------|-----------|
| Cure Time | 25.0 min | 0.417 hour | Tack-free |

| Descriptive Properties | Value | Comments |
|------------------------|------------------------|----------|
| Application rate | 410 g/min | |
| Color | Aluminum | |
| Consistency | Soft, spreadable paste | |

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China