

Datasheet

Transparent Silicone Sealant, 90ml tube

RS Stock number [692-542](#)



Description:

Free-flowing, self-leveling, low viscosity sealant containing no solvent. Sealant is a self-leveling, one-component silicone RTV material. Its low viscosity allows it to fill many crevices and voids in potting and sealing applications. Supplied ready to use in white or clear formulations, this material cures at room temperature to a tough, rubbery solid. It adheres to many common substrates, including metals, ceramics and various plastics.

Features:

- Self-leveling
- Cures at room temperature on exposure to moisture in air

Composition:

- One-part RTV silicone rubber

Application:

Sealant is primarily used in applications where a free-flowing, one-part sealant is needed. Applications include:

- Coating mechanical devices
- Making formed-in-place gaskets
- Sealing ammunition fuses



Typical properties:

Method	Test	Unit	Result
As Supplied			
	Colors		White, clear
	Specific Gravity at 25°C (77°F)		1.03
	Consistency		Pourable
	Viscosity	poise	430
	Solids Content	percent	95
	Extrusion Rate (3-mm [1/8-inch] orifice at 90 psi air pressure)	grams per minute	430
As Cured¹			
	Skin-Over Time	minutes	10
	Tack-Free Time	minutes	15
	Cure Time (3-mm [1/8-inch] thickness)	hours	24
As Cured – Physical²			
ASTM D 2240	Durometer Hardness, Shore A	points	28
ASTM D 412	Tensile Strength	MPa (psi)	1.55 (225)
ASTM D 412	Elongation	percent	300
As Cured – Electrical			
	Volume Resistivity at 23 ± 2°C (73.4 ± 3.5°F)	ohm/cm	1x10 ¹⁵
	Dielectric Constant at		
	100 Hz		2.7
	100 kHz		2.7
	Dissipation Factor at		
	100 Hz		0.00034
	100 kHz		0.00019
	Dielectric Strength at 25°C (77°F), 75-mil thickness, volts/mil		435

Exposed to air at 25°C (77°F) and 50 percent relative humidity.
 Measured on 1/8-inch-thick slabs, exposed to air at 25°C (77°F) and 50 percent relative humidity for 72 hours.