Gelest Zipcone™ FN

Filler-Free Fast-Cure Pure Silicone Elastomer for Maximum Release

Features: Provides thick film rapid-cure pure silicone elastomers with good adhesion to metals, glass and solvent compatible plastics and fibers. Products are free of abrasive-silica. Systems are high-speed moisture cure.

Applications:

electronic devices - forms a soft conformal coating, free of abrasive silica.
rubber and plastic overcoat - provides a uniform low-roughness coating suitable for release and with an exceptionally smooth touch.
supported membranes - filler-free silicone allows maximum transport of gases.
thin film seals and conformable gaskets - may be applied by dipping or brushing.

Capsular Description:	Thickness	Cure	Hardness	Type
	thin-thick	air/moisture	low	solvent-borne 1-part

Gelest Zipcone™ FN polydimethylsiloxane RTV for rapid, neutral cure, maximum release

Description

Zipcone™ FN is a moisture activated filler-free silicone RTV dispersed in odorless hydrocarbon. In the presence of atmospheric moisture, a condensation of silicone prepolymers occurs. The byproduct of the cure reaction is an amine. Amine byproducts have little or no corrosive effects on most metals, but copper is affected.

Cured Properties

Tensile Strength	>50psi
Elongation	>150%
Durometer, Shore A	>5
Tear Strength	>5pli
Refractive Index	1.403

Uncured Properties of Zipcone™ FN

Solids	32-35%
Viscosity	100-150 cSt.
Skin-over time	15 minutes
Cure time (0.25mm)	2 hours
Specific gravity	0.81
Flashpoint	0°C

Standard Packaging

PP1-ZPFN Zipcone™ FN
100g/$28.00
650g/$140.00
10kg/commercial package

Cautions

Zipcone™ F series contain flammable solvents and cure released byproducts which are eye irritants. Avoid skin and eye contact. Use in a well ventilated area wearing gloves and safety glasses. Consult MSDS of the specific product used for additional safety information.

Application Methods

Zipcone™ F series is applied by dipping, brushing or spin-on. Solvent is allowed to evaporate in an exhausted area. Cure is at room temperature. After opening, containers should be inerted with dry air or nitrogen before sealing to avoid cure in the container.