



SESP-125

SELF EXTINGUISHING SILICONE PUTTY

Silicone Compound for Flame Retardant Applications



Product Description

SESP-125 is a two part Silicone putty used for fabricating various flame retardant parts. This two component silicone compound when mixed cures to form a soft elastomer that can be shaped in to practically all geometries. This material has been found useful for making coatings, gaskets, and other such fabricated parts where protection from flame is required. This product has been specifically developed for easy mix ratio of 100:5 of two components (Part A and Part B). This material is stable over a wide temperature range. The adhesion of this compound to various substrates makes it suitable for different applications in various industries.

Applications

- Flame retardant coatings for Hangers for launching space vehicles
- FR Coatings that act as a shield in the presence of fire
- FR Profiles
- FR Gaskets for fire-fighting equipment

Key Performance Properties

- Easy manual mixing
- Room Temperature Cure with easy Mix Ratio of 100:5
- Excellent Thermal oxidation resistance
- Excellent Dielectric properties
- Low volatility and low shrinkage
- Chemically inert
- Outstanding thermal stress protection
- Excellent FR Properties

Typical Data

Typical product data values should not be used as specifications.

Property	Unit	Value
Uncured Properties		
Colour		Blackish grey
Viscosity at 25°C	mPa.s	A Part : 800000 B Part :25
Cured Properties	A:B =100:5	
Processing work (pot) life at 25°C	Min	40
Cure Time at 25°C	Hours	24
Density at 25°C	g.cm ⁻³	1.58
Hardness	Shore A	50
Tensile Strength	MPa	1.5
Elongation	%	150
Lap Shear Strength	MPa	0.7
Specific heat at 100°C	Cal/g/°C	0.4
Limiting Oxygen Index	%	40

Storage and Transport

The warranty period is 6 months from date of shipment if stored in the original unopened container at ambient temperature of less than 27°C

The Silicone Compound described in this brochure will provide a mechanical bond, which is adequate for most uses. However, they require a primer to obtain a chemical bond to various substrates. For a chemical bond, if primers are needed please contact us.

Note: Thoroughly stir SESP-125 Base (Part-A) before use, as filler separation may occur upon prolonged storage.

SESP-125 is a product manufactured by **Performance Polymers, 9/11, 8th Cross, Ganesha Block, Mahalakshmi Layout Bangalore 560 096 Ph: 080-23499432** Contact : ceo@performancepolymers.in

Limited Warranty : The information mentioned in this data sheet is a description of the product to the best of our knowledge. Recommendations for use do not constitute a warranty of the fitness for a particular use. It is the user's responsibility to thoroughly test the product in a particular application to determine its performance and safety.



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