



## SES22450-20

Shin-Etsu Silicones of America, Inc.  
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### Product Description

Shin-Etsu's SES22450-20 is a silicone coating / encapsulating material that is formulated to offer outstanding insulation performance over a wide range of temperatures (-40C to 200C). The material exhibits good adhesion to most printed circuit board substrates including FR4 and ceramic surfaces upon exposure to heat. The SES22450-20 will resist yellowing over time and exposure to an outdoor environment.

### Product Features

- Long pot life, 12 days at 23C
- Adhesion to a wide variety of substrates
- Self priming adhesion
- Non-Yellowing, Optically Clear
- Low Viscosity, Flowable/Sprayable
- UL 746(c)

### Typical Properties

Type	Potting Encapsulant
Cure Type	Addition
One/Two Component	One
UL Listing	Y
Color	Clear
Density @ 23C (g/cm <sup>3</sup> )	1.02
Viscosity (cps)	4450.00
Cure Conditions	30min @ 150C
Working Time	12 days
Shore A Hardness	40
Tensile Strength (psi)	330
% Elongation	235
Volume Resistivity (Ω·cm)	8x10 <sup>14</sup>
Dielectric Strength (kV/mm)	20
Dielectric Constant	2.9
Dielectric Dissipation Factor	7 x 10 <sup>-4</sup>
Refractive Index (23C/589nm)	1.41

*Note: Values are not for specification purposes.*

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