

## ADDY-SIL 562

TWO COMPONENT THERMALLY CONDUCTIVE SILICONE POTTING COMPOUND

### ● PRODUCT DESCRIPTION

ADDY-SIL 562 is a two component, room temperature cure silicone potting and encapsulation compound with an excellent thermal conductivity properties. Its designed for potting, encapsulation by casting of electronic components, junction boxes where flexibility to eliminate the vibration and removeability for reworking of electronic components are necessary. High temperature resistance. Automotive, telecommunications, transformers, cable end sleeves, capacitors, coils, insulators/bushings, transducers, and (re-enterable) telephone cable splicers are some of possible applications.

### ● CURING PROPERTIES

Gel Time	2 hours
Full Cure	24 hours

### ● UNCURED PROPERTIES

Base	Silicone
Color	White
Mixing Ratio	100:25 (by weight) 100:50 (by volume)
Viscosity (mixed)	2500cps
Specific Gravity	1,75

### ● CURED PROPERTIES

Temperature Resistance (°C)	-65 to +200
Shrinkage	<1%
Hardness Shore A	50
Thermal Conductivity	1,0 W/mK
Weight Loss, (1 week at 150°C)	0.25%

Volume Resistivity	
100V	$2.5 \times 10^{15} \Omega\text{-cm}$
500V	$1.9 \times 10^{15} \Omega\text{-cm}$
1000V	$1.4 \times 10^{15} \Omega\text{-cm}$
Dielectric Strength (1.6mm thickness)	25 kV/mm
Nasa Outgassing	0.27 %TML
	0.13% CVCm
	0.00% WVR

### ● SHELF LIFE

One year in original unopened containers.

