

ADDY-SIL 560

TWO COMPONENT THERMALLY CONDUCTIVE SILICONE POTTING COMPOUND

● PRODUCT DESCRIPTION

ADDY-SIL 560 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 elec-tronic components, junction boxes where flexibility to eliminate the vibration and removeability for rework-ing of electronic components are necessary. High temperature resistance. Automotive, telecommunica-tions, transformers, cable end sleeves, capacitors, coils, insulators/ bushings, transducers, and (re-enter-able) telephone cable splicers are some of possible applications.

● CURING PROPERTIES

Pot Life / Gel Time	7 min. / 15 min.
Full Cure	12 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 +150
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.

