



ADDY-SIL 353 SILICONE GEL ENCAPSULANT

PRODUCT DESCRIPTION

ADDY-SIL 353 is a two component, water clear, electronic grade, silicone gel encapsulant. It is designed for clear potting, encapsulation of completed circuit boards, hybrid circuits, and power supplies, where flexibility, repairability, and high temperature resistance are required. Can be used in automotive, telecommunications, transformers, cable end sleeves, capacitors, coils, IGBT, insulators/ bushings, transducers, and (re-enterable) telephone cable splicers. Re-healable in cured state.

• CURING PROPERTIES

Pot Life @ 25°C :	30 min.
Cure Time @ 25°C :	24 hours

UNCURING PROPERTIES

Base	Silicone
Color	Optical Clear
Specific Gravity	1
Viscosity (cps)	900-1100
Mix ratio (by weight/volume)	100:100

• CURED PROPERTIES

Hardness Shore	N/A
Operating Temperature (^o C)	-65°C to 200°C
Shrinkage on Cure	<1%
Тд	-64ºC
Weight Loss, (1 week at 150°C)	0.25%
Coefficient of Thermal Expansion	55 x 10-4/°C
Volume Resistivity	
100 V	2.5 x 10 ¹⁵ Ω-cm
500 V	1.9 x 10 ¹⁵ Ω-cm
1000 V	1.4 x 10 ¹⁵ Ω-cm
Dielectric Strength (1.6 mm thickness):	25 kV/mm
NASA Outgassing:	
	0.27 %TML
	0.13% CVCM
	0.00% WVR

• INSTRUCTION FOR USE

Shelf life: Store in original, unopened containers for 12 months at room temperature.

Our data sheets have been compiled to the best of our knowledge. The information included in our data sheets is exclusive information for the tended user and describes characteristics, with no declaration of commitment. We recommend trials in order to confirm that our products satisfy the particular application requirements. For an additional technical consultation, please contact our RD department. Adhetron is a brand of Pulsar Chem. Industry and Trade Co. INC.



