

High Modulus Clear Casting and Impregnation Resin





Features: Provides rigid silicone resins with excellent optical properties. HardSil™ C is a curable phenyl silicone resin with excellent thermal stability and good electrical properties.

Applications:

Electrical Components - high temperature, high power encapsulating and mounting resin.

Laminated Structures - hard, heat resistant impregnants for continuous exposures up to 300°C.

X-ray equipment- radiation resistant encapsulating resin.

Capsular Description:	Thickness 	Cure 	Hardness 	Type 
	thick	thermal	high	2-part

HardSil™ CC Clear Casting and Impregnation Resin

Description

HardSil™ CC is a peroxide curable solventless silicone resin supplied with catalyst.

Bulk Properties

Color	clear-straw transparent
Dielectric Strength (1/8")	350 volts/mil
Volume Resistivity	5 x 10 ¹⁵ ohm-cm
Refractive Index	1.530

Resin Properties

Form	liquid
Flashpoint	>180°C
Specific Gravity	1.10
Viscosity	80-150 cSt.

Application Methods

Gelest HardSil™ CC Part A (resin) and 1 wgt % Part B (peroxide) are combined and mixed thoroughly. The mix is poured or applied as an an encapsulant or impregnant. Cure is for 6 hours at 150°C followed by two hours at 200°C. If the component is operating above 200°C, it should be cured for three hours at the maximum operating temperature before entering service.

Cautions

Use in a well ventilated area.
 Avoid contact with skin and eyes.
 Part B catalyst is an oxidizer and should be stored away from flammables.

Shelf life: 12 months when stored below 25°C in sealed containers.

Standard Packaging

PP2-HSCC HardSil™ CC 99:1 kit
100g/\$140.00
1kg/\$925.00