

Gelest® OE 50 1.49 Refractive Index 2-Part Silicone RTV Encapsulant (1:1 kit)

Capsular
Description:

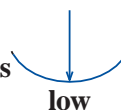
Thickness



thick

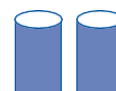
Cure **Pt**
catalyst

Hardness



low

Type



100% active
2-part

Description

Gelest® OE 50 is a flexible, optically clear molding, encapsulation and coating compound. The higher refractive index of Gelest® OE 50 can act as cladding in optical waveguide applications. The low viscosity of the catalyzed mix, long pot-life at room temperature and moderate cure temperature make this extremely useful in laboratory, prototype and small production run applications.

Cured Properties

Refractive Index (25°C)	1.49
Tensile Strength	0.13 MPa
Elongation	160%
Durometer, Shore A	11
Specific Gravity	Part A = 1.075 Part B = 1.078

Uncured Properties of Gelest® OE 50

Viscosity	(1:1, Part A:Part B) catalyzed: 3819 cP
	Part A: 3238 cP
	Part B: 3819 cP

Application Methods

Thoroughly mix Part A with Part B in a 1:1 ratio. De-air mix under vacuum for about 20 minutes. The pot-life is > 4 hours at 25°C. Pot-life may be extended by storing at 5°C. Pour into mold or apply to substrate. Avoid entrapping air. Cure at 55°C for 4 hours or at higher temperatures. Higher temperature cure allows for shorter cure times.

Standard Packaging

PP2-OE50 Gelest® OE 50
200 g kit (100g OE50-A, 100g OE50-B)
1 kg kit (500g OE50-A, 500g OE50-B)

