




## Gelest® OE 42 1.42 Refractive Index 2-Part Silicone RTV Encapsulant (1:1 kit)

Capsular Description: Thickness  thick Cure **Pt** catalyst Hardness  medium Type  100% active 2-part

### Description

Gelest® OE 42 is a flexible, optically clear molding, encapsulation and coating compound, offering improved adhesion to substrates compared to Gelest® OE 41. 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.

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### Cured Properties

Refractive Index (25°C)	1.42
Tensile Strength	>1.5 MPa
Elongation	90-150%
Durometer, Shore A	10-25
Tear Strength	0.90-1.75 kN/m

### Uncured Properties of Gelest® OE 42

Viscosity (1:1) catalyzed: 1500-2000 cSt

### 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 18 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 room temperature for 72 hours.

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### Standard Packaging

PP2-OE42 Gelest® OE 42  
1 kg kit (500g OE42-A, 500g OE42-B)  
6 kg kit (3000g OE42-A, 3000g OE42-B)