




# Gelest® OE 41 1.41 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

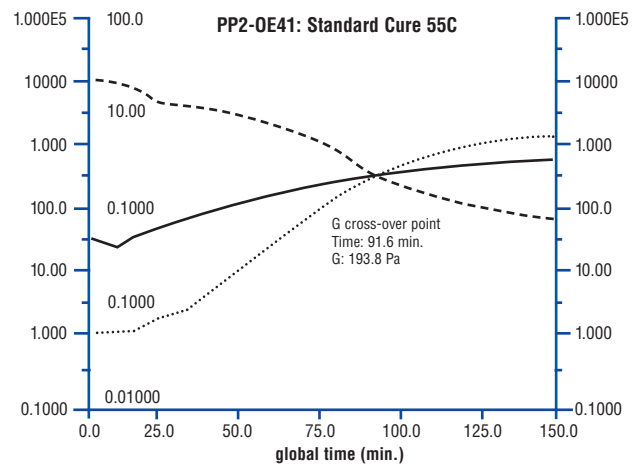
Gelest® OE 41 is a flexible, optically clear molding, encapsulation and coating compound. The low viscosity of the catalyzed mix, long pot-life at room temperature and moderate cure temperature make this extremely useful in laboratory, prototype and small production run applications.

## Cured Properties

Refractive Index (25°C)	1.41
Tensile Strength	>2.0 MPa
Elongation	140-200%
Durometer, Shore A	15-30
Tear Strength	0.90-2.60 kN/m

## Uncured Properties of Gelest® OE 41

Viscosity (1:1) catalyzed: 1750-2500 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.

## Standard Packaging

- PP2-OE41 Gelest® OE 41
- 1 kg kit (500g OE41-A, 500g OE41-B)
- 6 kg kit (3000g OE41-A, 3000g OE41-B)

## Application and Reference Data

1. Lien, V. et al. *IEEE Photon. Technol. Lett.* **2004**, 16(6), 1525.
2. Jeong, J. et al. *Organic Electronics* **2011**, 12, 2095.