


Gelest® OE 46.1 1.46 Refractive Index 2-Part Silicone RTV Encapsulant, Medium Strength (1:1 kit)

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

Gelest® OE 46.1 is a flexible, optically clear molding, encapsulation and coating compound. Refractive index of Gelest® OE 46.1 matches glass, allowing for fabrication with 'invisible' joints. The 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)	1.46
Tensile Strength	0.55 MPa
Elongation	65-75%
Durometer, Shore A	34-45
Specific Gravity	1.19

Uncured Properties of Gelest® OE 46.1

Viscosity (1:1) catalyzed: 15,000 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-OE46.1 Gelest® OE 46.1
 200 g kit (100g OE46.1-A, 100g OE46.1-B)
 1 kg kit (500g OE46.1-A, 500g OE46.1-B)