



Gelest GEL Series

Clear Specialty Silicone Gel Elastomers

Features: Gels are solids with fluid characteristics. They provide mechanical protection and dampening with good cohesion, high instantaneous deformation and good resilience with a wide range of chemical resistance and refractive index control.

Applications:

optical component coating- coupling media and elastomeric seals.

shock absorption- provide a property range extending from vibration dampening to sound absorption

electrical devices- provide low stress protection to delicate components.

Capsular Description:	Thickness  thick	Cure Pt catalyst	Hardness  low	Type  100% active 2-part
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Gelest Gel P065 2-Part Silicone Gel

Description

Gel P065 is a temporarily deformable material with excellent low temperature properties and a refractive index of 1.43. It performs as a dielectric gel from 115° to 235°C.

Gel Properties

Color	clear
Refractive Index	1.430
Penetration	60-80mm
Specific Gravity	0.99
Dielectric Constant	2.8

Uncured Properties

Form	liquid
Viscosity (initial mix)	700-800 cSt

Processing

Gel P065 is a 2-part addition cure system. It is comprised of "A" and "B" parts which are mixed in a 1:1 ratio. After thoroughly mixing 1 part "A" to 1 part "B", allow mix to de-air. Pot life is 3-4 hours. Pour or syringe around part or into cavity. Cure at 115-120°C for 30-60 minutes or at room temperature for 48 hours. If the gel is too firm (low penetration) increase the ratio of A to B to 1.1:1, 1.2:1 etc.

Caution: Avoid contact with skin and eyes

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

Standard Packaging

PP2-P065 Gelest Gel P065
100g/\$65.00
1kg/\$390.00

Gelest Gel F065 1-Part Silicone Gel

Description

Gel F065 is a temporarily deformable material with fluorosilicone properties, providing fuel resistant properties and a low refractive index. The one part addition cure system is technically achieved by incorporating a fugitive inhibitor to the catalyzed mix.

Gel Properties

Color	clear
Refractive Index	1.384
Penetration	60-80mm
Specific Gravity	1.27

Uncured Properties

Form	liquid
Viscosity	1200-1500 cSt

Processing

Gel F065 is a 1-part addition cure system. Pour or syringe around part or into cavity. Cure at 100-150°C for 20-30 minutes. If the gel is too firm (low penetration), FMV-4031 fluorosilicone polymer can be added at 5-20% levels prior to cure.

Caution: Avoid contact with skin and eyes

Shelf life: 6 months when stored below <0°C in sealed containers.

Standard Packaging

PP1-F065 Gelest Gel F065
100g/\$160.00