

LightSpan® LS-3443

Silicone

NuSil Technology

Message:

From LEDs to fiber optics, NuSil Technology's LightSpan™ brand product line delivers the most comprehensive line of refractive index matching adhesives, encapsulants and thermosets available.

The benefits of silicone include the following:

Thermal Stability

Low Ionic Species

Maintain Optical Clarity (90% minimum @ 400nm)

Low Moisture Absorption (<0.4%)

Optimization for UV Resistance

Adjustable Cure

Low Outgassing

Low Shrinkage, <1%

Low Modulus: Stress reduction for bonding materials with different coefficients of thermal expansion

General Purpose: Optical Gels

Comments: Soft and Tacky Gel, Penetration 5 mm

General Information		
Features	Good Thermal Stability Good UV Resistance Low Moisture Absorption Low Shrinkage Low to No Outgassing Soft	
Forms	Gel	
Processing Method	Encapsulating Potting	
Thermal	Nominal Value	Unit
CLTE - Flow	3.0E-4	cm/cm/°C
Optical	Nominal Value	
Refractive Index	1.430	
Thermoset	Nominal Value	Unit
Thermoset Components		
Part A	Mix Ratio by Weight: 1.0	
Part B	Mix Ratio by Weight: 1.0	
Uncured Properties	Nominal Value	Unit
Viscosity		
-- 1	0.50	Pa · s
-- 2	0.65	Pa · s
Curing Time (100°C)	0.50	hr

NOTE

- | | |
|----|--------|
| 1. | Part A |
| 2. | Part B |

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