LightSpan® LS-8941

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

Gernal Purpose: Optical Adhesives and Elastomers

Comments: High Durometer to reduce tackiness, non-phenyl containing

General Information		
Features	Good Thermal Stability	
	Good UV Resistance	
	High Hardness	
	Low Moisture Absorption	
	Low Shrinkage	
	Low to No Outgassing	
Uses	Adhesives	
	Lenses	
Processing Method	Compression Molding	
	Injection Molding	

Optical	Nominal Value	
Refractive Index	1.410	

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]	25	Pa·s
-- [2]	28	Pa·s
Curing Time (150°C)	0.50	hr

Pot Life	> 1400	min
Cured Properties	Nominal Value	Unit
Shore Hardness (Shore A)	80	
Tensile Strength	8.62	MPa
Tensile Elongation at Break	65	%
NOTE	Page 2	
1.	Part B	
2.	Part A	

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

WECHAT