NuSil Lightspan™ LS-6946 Silicone, Optical Adhesive Elastomer

Category : Polymer , Adhesive , Thermoset , Silicone

Material Notes:

General Purpose: Optical Adhesives and ElastomerApplications: Bonding, MoldingInformation provided by NuSil

Order this product through the following link:
http://www.lookpolymers.com/polymer_NuSil-Lightspan-LS-6946-Silicone-Optical-Adhesive-Elastomer.php

Physical Properties	Metric	English	Comments
Viscosity	>= 35000 cP	>= 35000 cP	B
	>= 40000 cP	>= 40000 cP	A

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	30	30	
Tensile Strength at Break	4.70 MPa	682 psi	
Elongation at Break	275 %	275 %	
Tensile Modulus	0.00293 GPa	0.425 ksi	Young's
Shear Strength	3.52 MPa	511 psi	Lap

Thermal Properties	Metric	English	Comments
CTE, linear	360 µm/m-°C	200 µin/in-°F	

Optical Properties	Metric	English	Comments
Refractive Index	1.46 @Wavelength 589 nm	1.46 @Wavelength 589 nm	

Processing Properties	Metric	English	Comments
Cure Time	120 min	2.00 hour	Work Time
	30.0 min @Temperature 150 °C	0.500 hour @Temperature 302 °F	

Descriptive Properties	Value	Comments
Mix Ratio	1:1	

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