



Technical Data Sheet

QLE 1101 Blue Specialty Silicone Coating

Product Description

Quantum Silicones' QLE 1101 Blue is a low viscosity, two-component, addition cure, silicone elastomer.

Key Features

- Low viscosity
- Fast cure at high temperatures
- Low linear shrinkage
- Tinted differentiate "A" and "B" components

Typical Properties

Uncatalyzed Properties		
	"A" Component	"B" Component
Appearance	Transparent	Transparent
Viscosity, cps	2,000	2,000
Specific Gravity	1.02	1.02

Catalyzed Properties	
Mix Ratio	1:1
Pot Life, 25°C, time to double viscosity	11 hours
Cure Time	10 min @ 150°C
	30 min @ 100°C
Durometer	45
Tensile Strength, psi	800
Elongation, %	125
Thermal Conductivity W/mK	0.18
Refractive Index	1.40
Useful Temperature Range	-50 to 200C

Instructions for use

Mixing

Mix equally and thoroughly by weight or volume. Once the components are mixed the curing process begins. The pot life of the mixed material is shown under typical properties.

De-aeration

Air trapped during mixing should be removed to eliminate voids in the cured product. Vacuum de-airing may be necessary to completely remove all entrapped air bubbles. To insure proper de-airing, subject the mixed material to 29 inches of mercury.

Storage and shelf life

QLE 1101 Blue should be stored in the original unopened container at 25C (77F). QLE 1101 will remain useful for a period of 12 months if stored under those conditions.

Not for Product Specification

The technical data listed herein is provided as a reference only and **is not** intended as sales specifications. For sales and technical assistance or for product recommendations, please call 1-800-852-3147.

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