



Technical Data Sheet

Qsil 220

Quantum Silicones' Transparent Liquid Silicone Gel

Product Description

Qsil 220 is a 2 part, clear liquid that will cure at elevated temperatures. This product is supplied in matched kits in a 10 to 1 ratio of A to B.

Key Performance Properties

- Convenient 10:1 mixing ratio for use in automatic dispensing equipment or hand mixing
- Low viscosity which allows for ease of flow around complex parts, providing electrical insulation and shock resistance
- Contains no solvents
- Non-yellowing catalyst system
- Primerless adhesion to most substrates

Uncured Properties

	<u>Qsil 220A</u>	<u>Qsil 220B</u>
Color	Clear	Clear
Viscosity, cps	4400	500

Uncured Properties with curing agent added

Color	Clear, colorless
Consistency	Easily pourable
Work Time	>24 hours

Cured Properties (cured 1 hour @ 150°C/300°F)

Hardness, Shore A	29
Tensile Strength, psi	530
Elongation, %	171
Young's Modulus, psi	212
Shrinkage, %	~0.1
Refractive Index	1.406
Adhesion to Glass	Cohesive Failure

All data is typical data and should not be used for specifications. Please contact a technical representative of Quantum Silicones for assistance.

Instructions for Use

Mixing

Weigh 10 parts of A to 1 part of B. The mixing container should be 4 to 5 times larger than the volume of silicone. Using clean tools, thoroughly mix the A and B components. Air entrapped during mixing should be removed using vacuum equipment capable of achieving a vacuum of 29 inches of mercury.

Storage and Shelf Life

Qsil 220 should be stored in the original unopened container at 25C (77F). It 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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