



Technical Data Sheet

Qsil 555

*Quantum Silicones' 55durometer Addition Cure
Elastomer for Potting Applications*

Product Description

QSi555 is a 100% silicone, semi-thixotropic compound designed for potting and encapsulation applications.

Key Features

- 100% solids – no solvents
- Long pot life
- Semi-thixotropic

Typical Properties

Uncatalyzed Properties

| | “A” Component | “B” Component |
|-------------------------------------|---------------|---------------|
| Viscosity, cps | 80,000 | 3,000 |
| Appearance | White | Clear |
| Specific Gravity, g/cm ³ | 1.48 | 0.97 |
| Mix Ratio by weight | 100:10 | |

Catalyzed Properties (cured 17min.@150C)

| | |
|--------------------|-----|
| Pot life, hours | >72 |
| Durometer, Shore A | 50 |
| Tensile, psi | 450 |
| Elongation, % | 200 |

Mixing

Mixing by hand

Combine 100 parts of A component and 10 parts of B component by weight and stir until completely mixed. Use care when mixing to minimize air entrapment.

Mixing and dispensing with automatic equipment

Use properly ratioed equipment for a 100:6.6 mix ratio by volume. Also use a mixing system that will properly mix A and B components. Once mixed properly the material will have >72 hour pot life.

Storage and Shelf Life

QSil 555 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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