



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

Electrical Properties

Dielectric Constant (1000Hz)	3.27
Dissipation Factor	0.009549
Volume Resistivity, Ohm-cm	5.50985 x 10 ¹⁵

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.