



Data Sheet

QGel 324

General Purpose Silicone Gel

Product Description

324 is a clear, very soft, moderately cross-linked silicone polymer. Silicone gels are used to provide protection from vibration, thermal or mechanical shock. Silicone gels also provide excellent moisture protection. QSi's Q-Gel product line is two component materials with a 1:1 mix ratio.

Key Features

- 24 hour room temperature or heat cured
- one to one mix ratio
- soft but resilient gel
- dispensing equipment not necessary

Typical Properties

	<u>324A</u>	<u>324B</u>
Appearance	transparent	transparent
Viscosity, cps	3000	3000
Specific gravity	0.97	0.97
Mix Ratio	1:1	
Pot life, 25C	2 – 4 Hours	
Penetration, mm	4-9	

Cured properties

Cure Time	20 minutes @ 150C 60 minutes @ 100C 24 hours @ 25C
Service Temperature Range	-55 to 200C
Adhesion	Silicone gels have a tacky surface and will form a Mechanical bond to most substrates

Electrical properties

Q-Gels have excellent dielectric strength

Instructions for use

Mixing

The convenient one to one mix makes QSi's Q-Gels very easy to mix. 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. Fast curing gels (less than 30 minutes pot life) should be dispensed utilizing automated mix and dispense equipment.

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

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

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