



PROPRIETARY AND CONFIDENTIAL

Description

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1/4" Inch ID x .520" Inch OD Braid Reinforced Silicone Tubing

NAME	DATE
DRAWN BY: SCW	23-Apr-2015

PART#	REV
SR-14520-100	1

SHEET 1 OF 2
SCALE 8:1
DO NOT SCALE DRAWING



## SR-14520-100 Specifications

Open mesh polyester braiding incorporated within the wall of silicone tubing

Made from FDA compliant materials

Translucent natural color provides easy visual inspection and flow confirmation

Able to resist extreme temperature variations: -80°F to 350°F

Odorless, tasteless and inert

Excellent weathering properties – resistant to UV, ozone, gases, moisture and extreme temperatures

Offers far higher pressure capabilities than similarly-sized unreinforced silicone tubing

Listed by the National Sanitation Foundation (NSF 51)[U]

### Physical Properties and Specifications\*\*

Inner Diameter (ID)	.250 (1/4) +.03,-0
Wall Thickness	.135 ±.01
Outer Diameter (OD)	0.52
Color	Natural
Hardness, Shore A ±5 - Core	70
Hardness, Shore A ±5 - Cover	60
Tensile Strength, psi	1000
Elongation at Break, %	350
Brittle Temperature	-80°F
Max. Operating Temperature	350°F
Max. Operating Pressure	208 psi @ 70°F
Burst Pressure	624 psi @ 70°F
Weight	9 lbs/100 ft

[U] If used in NSF applications, the maximum operating temperature is limited to 350°F.

\*Burst pressure will decrease by at least 20% for each 200°F increase up to 350°F.

\*\*Values listed are typical and meant only as a guide to aid in design. Actual values for an application can only be determined by field-testing.

This product's flexible design and construction allows excellent bend radii and permits installation in restricted spaces without impeding flow. This product is peroxide-cured containing no sulphur or other acid-producing chemicals. This eliminates the possibility of staining, corroding, or deteriorating other materials it contacts.

We recommend careful selection of fittings and clamps, as sharp barbed fittings or unlined metal clamps could tear into the hose wall and possibly cause a failure, especially at elevated pressures.

We do not recommend this product for continuous steam applications. Exposure of silicone repeatedly to steam or long-term high temperature or pressure causes it to eventually relax and become gummy.