

# Excelon® Platinum Cured Braided Silicone Hose



## APPLICATIONS:

PHARMACY

MEDICAL RESEARCH VENTILATOR

VETERINARY MEDICINE

MEDICAL EQUIPMENT

MEDICAL ANALYSIS INSTRUMENTS

PERISTALTIC PUMPS

CHEMICAL TRANSFER

# Platinum Cured Braided Silicone Hose

- Fabric: Polyester/Fiberglass
- Inner and outer wall transparent and smooth
- Transparent, white, blue, red and other colors are available upon request
- Platinum cured for the highest degree of purity
- Withstands extreme temperatures, chemicals, ozone, radiation, UV, gases, and moisture
- Able to use in a vacuum environment, anti-breaking, and anti-kinking
- Durable and reusable - able to withstand repeated sterilization
- Excellent weather-ability properties
- Working temperature range: -40°C to 200°C
- Raw materials meet FDA requirements per FDA 21 CFR 177.2600 for use with food contact surfaces
- Free of BPA, latex, and phosphates

Our **Platinum Cured Braided Silicone Hose** is made of polyester and high elasticity silicone, and it is used in food machinery and medical equipment. The curing process with platinum makes the hose odorless and tasteless. In addition, the inner and outer walls of the silicone hose are completely smooth, making the flow consistent and making the cleaning process more convenient and effective. Our Excelon® Braided Silicone Hose is suitable for the pharmaceutical and Food & Beverage Industry. The silicone hose can be sterilized at low pressure or in a high-temperature sterilization system at 720°C. The braided tube can be sterilized by CIP, SIP, and gamma radiation. It can also be autoclaved.

Different sizes, lengths, durometers, and colors are available upon request. Biocompatibility testing available upon request.

## PHYSICAL PROPERTIES

PROPERTIES	
Hardness	70±5 Shore A
Tensile Strength	≥11.1 MPa
Elongation at Break	≥440%
Density	1.2±0.05 g/cm³
Working Temperature	-40°C to 200°C
Tension Set	≤9%
Tear Resistance (Tear Strength)	Die B: >20 KN/m

*Values listed are typical and are meant only as a guide to aid in design. Field testing should be performed to find the actual values for your application.*

## EXCELON® BRAIDED SILICONE HOSE SIZING CHART

ITEM NO.	ID	OD	LENGTH	DUROMETER
28736525BR	.125	.365	25' COIL	70
28746225BR	.188	.462	25' COIL	70
2870825BR	.250	.500	25' COIL	70
28752025BR	.250	.520	25' COIL	70
2871425BR	.375	.625	25' COIL	70
28765525BR	.375	.655	25' COIL	70
28780025BR	.500	.800	25' COIL	70
28791825BR	.500	.875	25' COIL	70

Samples available upon request.

Custom sizes, lengths, durometers, and colors are available upon request.

10-year shelf life when stored in proper conditions.

Medical and high temperature formulations available upon request.

**REGULATORY COMPLIANCE:** REACH, RoHS, FDA, and Prop 65 compliant

**T** Thermoplastic  
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