

Excelon® Platinum Cured Silicone Tubing



APPLICATIONS:

BEVERAGE & DAIRY HANDLING
FOOD PROCESSING EQUIPMENT
WATER PURIFICATION
HOUSEHOLD APPLIANCES
BREWERY & WINE EQUIPMENT
FOOD-GRADE STRAWS
STERILE BOTTLE FILLING
PERISTALTIC PUMPS
PHARMACEUTICAL
ENGINEERING LABORATORY

Platinum Cured Silicone Tubing

- High transparency, odorless, tasteless, and non-toxic, free of BPA
- High flexibility, high elastic, resistance to kink, and no deformation
- Hardness from 40 to 80 Shore A available
- General temperature range: -60°C (-76°F) to 200°C (392°F)
- The wall thickness of the product can be 0.25mm to 20mm
- No cracking, long lifespan
- High tearing strength and electrical performance
- Resists temperature extremes, compression set, chemical attack, ozone, radiation, moisture, and environmental exposure
- Medical formulation available upon request
- High temperature formulation available upon request

Our **Platinum Cured Silicone Tubing** is made of high elasticity silicone raw material that meets FDA standards. Excelon® Silicone can withstand repeated use and sterilization, which does not affect its resilience and shape. Excelon® Silicone Tubing is odorless, tasteless, non-toxic, and suitable for food contact applications. Thermoplastic Processes also offers Platinum Cured Silicone Tubing for medical applications. Our medical formula holds the USP 88 certification and biocompatibility testing can be provided as needed.

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

PHYSICAL PROPERTIES

PROPERTIES	
Hardness	70±5 Shore A
Tensile Strength	≥7.0 MPa
Elongation at Break	≥250%
Density	1.2±0.05 g/cm³
Working Temperature	-60°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® PLATINUM CURED SILICONE TUBING SIZING CHART

ITEM NO.	ID	OD	LENGTH	DUROMETER
287901705	.062	.125	50' COIL	70
2870205	.125	.250	50' COIL	70
2870305	.187	.313	50' COIL	70
2870405	.187	.375	50' COIL	70
2870605	.250	.375	50' COIL	70
2870705	.250	.437	50' COIL	70
2870805	.250	.500	50' COIL	70
2871005	.312	.500	50' COIL	70
2871205	.375	.500	50' COIL	70
2871305	.375	.562	50' COIL	70
2871405	.375	.625	50' COIL	70
2871905	.500	.687	50' COIL	70
2872005	.500	.750	50' COIL	70
2872605	.625	.875	50' 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



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