

# + Innovasil® G 60 Ultra

Platinum-cured long-life peristaltic pump silicone tubing



Specially formulated silicone peristaltic pump tubing with long service life and low flow attenuation. The special extrusion process ensures the smoothness of the inner wall and has high chemical resistance, especially suitable for long-term use in the industrial field.

Compliant with FDA food contact requirements

**Food Grade**

The G60 Ultra series is different from ordinary silicone tubes. The formula of this product is specially formulated to have good resilience, creep resistance, low permanent compression deformation, and high wear resistance. It is a pump tube with long service life of peristaltic pumps. The inner wall is designed through a special

extrusion process, with extremely low surface roughness, which is more conducive to reducing internal residence. It can be widely used in the pumping transmission of various reagents and fluids in the industrial and food fields.

## + Features

- Colorless and transparent food grade
- Long peristaltic pump life stable flow curve
- Smooth inner wall reduces adsorption
- 60A shore hardness
- Available in various metric and imperial sizes

## + Regulations & Certifications

- Compliant with FDA 21CFR 177.2600
- RoHS
- REACH

## + Application

- Peristaltic pump
- fluid transfer

\*For details of food contact compliance information, please Innovaprene® sales representative

## + Innovasil® G 60 Ultra Typical Physical Properties

Physical Properties Table	Test Methods	Unit	Typical Value
Color	-		Colorless & transparent
Shore A hardness, 5sec	ASTM D 2240		60
Density	ASTM D 792		1.13
Operating temperature			-60°C to +200°C
Anti-UV			Medium
Gas permeability			High
Water absorption			Low
Tensile strength at break	ASTM D 412	Mpa	9.6
Tensile elongation at break	ASTM D 412	%	630
Tear tensile strength	ASTM D1004-94	kN/m	55
Permanent compression set, 23°C22hrs	ASTM D395-98-B	%	8.5
Peristaltic pump life	600rpm,no back pressure,17#Hose	Hrs	300

## + Innovasil® G 60 Ultra Inventoried Sizes\*

\*Other calibers, lengths or packing methods can be customized

Cat. No.	Model	ID		OD		Wall Thickness		Length Per Package <sup>1</sup>		Minimum Bending Radius	RECO Working Pressure	RECO Vacuum Pressure
		(mm)	(inch)	(mm)	(inch)	(mm)	(inch)	(m)	(foot)			
SGU49-201-0050-0150	Metric size	0.50		1.50		0.50		15.2	50	3mm		1.0bar
SGU49-201-0079-0397	13#	0.79	1/32	3.97	5/32	1.59	1/16	15.2	50	3mm	1.5bar	1.0bar
SGU49-201-0100-0200	Metric size	1.00		2.00		0.50		15.2	50	3mm		1.0bar
SGU49-201-0150-0250	Metric size	1.50		2.50		0.50		15.2	50	3mm		1.0bar
SGU49-201-0100-0300	Metric size	1.00		3.00		1.00		15.2	50	3mm	1.0bar	1.0bar
SGU49-201-0159-0318		1.59	1/16	3.18	1/8	0.79	1/32	15.2	50	6mm	1.0bar	1.0bar
SGU49-201-0159-0476	14#	1.59	1/16	4.76	3/16	1.59	1/16	15.2	50	6mm	1.5bar	1.0bar
SGU49-201-0159-0635	119#	1.59	1/16	6.35	1/4	2.38	3/32	15.2	50			
SGU49-201-0200-0400	Metric size	2.00		4.00		1.00		15.2	50	6mm		
SGU49-201-0238-0556	19#	2.38	3/32	5.56	7/32	1.59	1/16	15.2	50	6mm	1.2bar	1.0bar
SGU49-201-0300-0500	Metric size	3.00		5.00		1.00		15.2	50			
SGU49-201-0318-0476		3.18	1/8	4.76	3/16	0.79	1/32	15.2	50	10mm	0.6bar	
SGU49-201-0318-0635	16#	3.18	1/8	6.35	1/4	1.59	1/16	15.2	50	13mm	1.0bar	1.0bar
SGU49-201-0318-0794	120#	3.18	1/8	7.94	5/16	2.38	3/32	15.2	50			
SGU49-201-0397-0714		3.97	5/32	7.14	9/32	1.59	1/16	15.2	50			
SGU49-201-0476-0794	25#	4.76	3/16	7.94	5/16	1.59	1/16	15.2	50	13mm	0.8bar	1.0bar
SGU49-201-0476-0953	15#	4.76	3/16	9.53	3/8	2.38	3/32	15.2	50	10mm	1.0bar	1.0bar
SGU49-201-0635-0953	17#	6.35	1/4	9.53	3/8	1.59	1/16	15.2	50	19mm	0.6bar	1.0bar
SGU49-201-0635-1111	24#	6.35	1/4	11.11	7/16	2.38	3/32	15.2	50	16mm	0.8bar	
SGU49-201-0635-1270	26#	6.34	1/4	12.70	1/2	3.18	1/8	15.2	50	16mm	1.0bar	
SGU49-201-0794-1111	18#	7.94	5/16	11.11	7/16	1.59	1/16	15.2	50	32mm	0.5bar	1.0bar
SGU49-201-0794-1270	35#	7.94	5/16	12.70	1/2	2.38	3/32	15.2	50	16mm	0.7bar	
SGU49-201-0953-1270	96#	9.53	3/8	12.70	1/2	1.59	1/16	15.2	50	38mm	0.6bar	0.7bar
SGU49-201-0953-1429	36#	9.53	3/8	14.29	9/16	2.38	3/32	15.2	50	25mm	0.8bar	1.0bar
SGU49-201-0953-1588	73#	9.53	3/8	15.88	5/8	3.18	1/8	15.2	50	25mm	0.4bar	1.0bar
SGU49-201-1111-1429		11.11	7/16	14.29	9/16	1.59	1/16	15.2	50			
SGU49-201-1270-1588		12.70	1/2	15.88	5/8	1.59	1/16	15.2	50	76mm	0.3bar	
SGU49-201-1270-1905	82#	12.70	1/2	19.05	3/4	3.18	1/8	15.2	50	38mm	0.6bar	1.0bar
SGU49-201-1270-2223	88#	12.70	1/2	22.23	7/8	4.76	3/16	15.2	50			
SGU49-201-1588-2064		15.88	5/8	20.64	13/16	2.38	3/32	15.2	50	76mm	0.4bar	
SGU49-101-1588-2223	184#	15.88	5/8	22.23	7/8	3.18	1/8	7.62	25	64mm	0.5bar	1.0bar
SGU49-101-1588-2540	89#	15.88	5/8	25.4	1	4.76	3/16	7.62	25			
SGU49-101-1905-2540		19.05	3/4	25.4	1	3.18	1/8	7.62	25	64mm	0.5bar	0.7bar
SGU49-101-1905-2858	191#	19.05	3/4	28.58	1-1/8	4.76	3/16	7.62	25			
SGU49-101-1905-3175	91#	19.05	3/4	31.75	1-1/4	6.35	1/4	7.62	25			
SGU49-101-2540-3175		25.40	1	31.75	1-1/4	3.18	1/8	7.62	25	127mm	0.3bar	
SGU49-101-2540-3493	92#	25.40	1	34.93	1-3/8	4.76	3/16	7.62	25			0.9bar
SGU49-101-2540-3810		25.40	1	38.10	1-1/2	6.35	1/4	7.62	25			

\*The recommended working pressure is the calculated value of the burst pressure measured by ASTM D1599 at a ratio of 1:4 at 23 degrees. For the detailed compatibility of Innovasil™ G 60 Ultra with various chemical solvents, please refer to "Innovalene® Product Chemical Compatibility Information Sheet" or consult our sales staff