

RM Biltrite® Flexgard® Silicone Rubber has a wide temperature range, enabling it to retain its initial shape and mechanical strength and operate normally overall in extreme temperatures. Several of silicone rubber's technical specifications are far superior to organic rubbers at such temperatures. Unlike organic rubbers, silicone can well withstand ozone, UV, heat and other aging factors. It is also highly inert and does not react with most chemicals, making it suitable for medical applications such as implants, tubing, and catheters. Silicone is biocompatible and both hypoallergenic and non-allergenic, making it a safe choice for baby care products and food contact purposes. It exhibits strong chemical stability, preventing it from affecting any substrates that come in contact such as skin, water, blood, and active ingredients.

Applications: Automotive, food, electronic, medical, construction, and pharmaceutical industries, outdoor, extreme environments, and manufacturing uses.



STYLE #715: FLEXGARD® COMMERCIAL SILICONE

Item ID	Durometer Hardness	Tensile Strength (min)		Elongation	Temperature Range		Color	Finish	Surface
	Shore A (± 5)	psi	MPa	min %	°F	°C			
IR715-40	40	600	4.1	400	-80 - +450	-62 - +232	Red	Smooth	No talc / film liner
IR715-50	50	600	4.1	300	-80 - +450	-62 - +232	Red	Smooth	No talc / film liner
IR715-60	60	600	4.1	300	-80 - +450	-62 - +232	Red	Smooth	No talc / film liner
IR715-70	70	650	4.1	275	-80 - +450	-62 - +232	Red	Smooth	No talc / film liner
IR715-80	80	650	4.5	275	-80 - +450	-62 - +232	Red	Smooth	No talc / film liner

STYLE #735: FLEXGARD® SILICONE SPECIFICATION* GRADE

Item ID	Durometer Hardness	Tensile Strength (min)		Elongation	Temperature Range		Color	Finish	Surface
	Shore A (± 5)	psi	MPa	min %	°F	°C			
IR735-40	40	850	5.9	400	-80 - +500	-62 - +260	Red	Smooth	No talc / film liner
IR735-50	50	850	5.9	400	-80 - +500	-62 - +260	Red	Smooth	No talc / film liner
IR735-60	60	900	6.2	400	-80 - +500	-62 - +260	Red	Smooth	No talc / film liner
IR735-70	70	850	5.9	400	-80 - +500	-62 - +260	Red	Smooth	No talc / film liner

* ZZR765 (A-A-59588) ASTM D2000 M1GE

ROLL DIMENSIONS

Units	Widths				Thicknesses						
U.S.	36"	48"	1/16"	3/32"	1/8"	3/16"	1/4"	3/8"	1/2"	3/4"	1"
Metric	91.4 cm	121.9 cm	1.6 mm	2.4 mm	3.2 mm	4.8 mm	6.4 mm	9.5 mm	12.7 mm	19.1 mm	25.4 mm

Custom sizes available upon request

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