

RM Biltrite™ Rubbermax™ Diaphragm Rubber is manufactured with a high quality nitrile rubber compound designed for prolonged wear and use. The rubber is then inserted with a Nylon 6 cloth for maximum strength and durability. Cloth insertion can be provided with either 1 or 2 ply reinforcement.

Applications: Oil, liquid petroleum gas, and other solvent resistant applications, control valves, regulators, differential pressure pumps.



STYLE #560: RUBBERMAX™ NITRILE DIAPHRAGM GRADE 1 (ASTM D2000 1BF) - REGULAR PLY

Item ID	Durometer Hardness	Tensile Strength (min)		Elongation	Compression Set at 212° F (100° C) for 22 Hours		Volume Swell 212° F (100° C) for 70 hrs in ASTM Oil 903		Temperature Range		Fabric	Color	Finish	Surface
	Shore A (± 5)	psi	MPa	min %	max %	max %	°F	°C						
IR560-60	60	1400	9.7	300	25	+25	-22 - +230	-30 - +110	Nylon 6	Black	Smooth	No talc / film liner		
IR560-70	70	1400	9.7	300	25	+25	-22 - +230	-30 - +110	Nylon 6	Black	Smooth	No talc / film liner		

STYLE #560 ROLL DIMENSIONS

Units	Widths			Thicknesses			
U.S.	36"	48"		1/16" 1 Ply	1/8" 2 Ply	3/16" 3 Ply	1/4" 4 Ply
Metric	91.4 cm	121.9 cm		1.6 mm	3.2 mm	4.8 mm	6.4 mm

Custom sizes available upon request

STYLE #570: RUBBERMAX™ NITRILE DIAPHRAGM GRADE 1 (ASTM D2000 1BF) - REGULAR PLY

Item ID	Durometer Hardness	Tensile Strength (min)		Elongation	Compression Set at 212° F (100° C) for 22 Hours		Volume Swell 212° F (100° C) for 70 hrs in ASTM Oil 903		Temperature Range		Fabric	Color	Finish	Surface
	Shore A (± 5)	psi	MPa	min %	max %	max %	°F	°C						
IR570-70	70	1100	7.6	250	25	+25	-22 - +230	-30 - +110	Nylon 6	Black	Smooth	No talc / film liner		

STYLE #570 ROLL DIMENSIONS

Units	Widths			Thicknesses			
U.S.	36"	48"		1/16" 1 Ply	1/8" 2 Ply	3/16" 3 Ply	1/4" 4 Ply
Metric	91.4 cm	121.9 cm		1.6 mm	3.2 mm	4.8 mm	6.4 mm

Custom sizes available upon request

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