Specification ASTM D2000 1AA

Butyl Rubber

Butyl Rubber is a copolymer comprised of isobutylene and a small percentage of isoprene. It has a very low permeability to air and other gases. It has excellent resistance to ozone, oxidation and sunlight, with an excellent temperature range of -45° C to + 130° C. Butyl Rubber has a very low resilience, which makes it ideal for vibration damping and shock absorption applications but offers only a moderate resistance to abrasion and compression. With careful compounding, Butyl Rubber can be made to acquire a high tensile strength. It is resistant to most inorganic products and highly resistant to mineral acids, alkaline and aqueous acids. We do not recommend its use in applications where resistance to oils and hydrocarbons is required. We can offer halogenated Butyl Rubber Sheeting for specified applications.

Finish	Smooth
Powder	No
Color	Black

Technical Specifications

Style#	Hardness (±5)	Tensile Strength		Elongation at break	Abrasion	Compression Set	Temperature Range (General Guidelines)		Oil Swell in ASTM oil 903
	Shore A	PSI	MPa	(min) %	mm^3	(max) %	C°	F°	(max) %
IR590-55	55	1160	7.9	400	-	50	-45°C to +125°C	-40°F to +257°F	-
IR590-60	60	1160	7.9	300	-	50	-45°C to +125°C	-40°F to +257°F	
IR591-60	60	1160	7.9	300	-	50	-40°C to +125°C	-40°F to +257°F	-
IR592-65	65	855	5.9	250	-	40	-40°C to +125°C	-40°F to +257°F	-

Specifications are subject to change without notice

Available Roll Sizes

Thickness		Width		Length	
Inches	mm	Inches	Meter	Feet	Meter
1/16”	1.6	36 & 48	.91 & 1.2	100	30.5
3/32”	2.4	36 & 48	.91 & 1.2	75	22.9
1/8”	3.2	36 & 48	.91 & 1.2	50	15.3
3/16”	4.8	36 & 48	.91 & 1.2	35	10.7
1/4"	6.4	36 & 48	.91 & 1.2	35	10.7
3/8”	9.5	36 & 48	.91 & 1.2	35	10.7
1/2"	12.7	36 & 48	.91 & 1.2	25	7.6
3/4"	19.1	36 & 48	.91 & 1.2	25	7.6
1”	25.4	36 & 48	.91 & 1.2	25	7.6

- For available inventory, please contact us
- Thickness and sizes per **RMA** tolerances