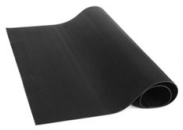
Specification ASTM D2000 1BF

Diaphragm Rubber



Special sheet is manufactured with 1 ply and 2 ply Nylon Fabric Insertion used as Diaphragms for oil, LPG and solvent resistant applications.

The Diaphragm sheet is manufactured with high quality Nitrile Rubber Compound designed for long service. This rubber sheet is reinforced with 1 ply or 2ply Nylon fabric to provide strength. Recommended for use in control valves, regulators, pumps, etc for creating differential pressures.

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)
IR560-60	60	1400	9.7	300	-	25	-30°C to +110°C	-22°F to +230°F	25
IR560-70	70	1400	9.7	300	-	25	-30°C to +110°C	-22°F to +230°F	25
IR570-70	70	1100	7.6	250	-	25	-30°C to +110°C	-22°F to +230°F	25

Specifications are subject to change without notice

Available Roll Sizes

Thickness		Width		Length	
Inches	mm	Inches	cm	Feet	Meter
1/16”	1.6	36 & 48	91.4 & 121.9	100	30.5
1/8”	3.2	36 & 48	91.4 & 121.9	50	15.3
3/16”	4.8	36 & 48	91.4 & 121.9	35	10.7
1/4"	6.4	36 & 48	91.4 & 121.9	35	10.7

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

Typical Physical Properties: The typical physical properties are tensile, elongation, and durometer, obtained on slabs; Product Physical Values are based on values obtained from standard laboratory test specimens prepared and tested in accordance with the applicable test methods. Test results from specimens prepared from finished products may not duplicate values obtained from standard test specimens. Buyers agrees that when standard test specimens are cut from finished parts in accordance with Practice D3183, a deviation to the extent of 10% on tensile strength and elongation values is permissible; All of our sheet rubber products are a proprietary blend of polymers formulated to meet designated specifications. In our Commercial products, the named polymer is not necessarily the polymer representing the highest percentage of the polymer blend. The various specifications call outs are a valuable guide in selecting the type and grade of sheet rubber for a particular application. In any application, the customer should evaluated the performance requirements and conditions that will affect the working life of the rubber product. Where appropriate, field tests may need to be performed before the style of sheet rubber is selected. If the customers' quality assurance includes the testing of rubber material, the test criteria should specify the physical property that is most critical to its application. Polymer type alone may not be adequate for the selecting of the rubber that is best suited for a specific application. Buyer acknowledges the use of its own knowledge, expertise, skill, experience and judgment in the selection of products(s) and /or in the selection, provision, or designation of any specifications or set of specifications for a product(s) agreed upon by the Buyer and Seller. Buyer acknowledges that Seller shall not be liable for, and Buyer assumes all risk of, inaccurate or unsuitable specifications or information provided, selected or designed by the Buyer. RMBILTRITE, LLC MAKES NO REPRESENTATIONS OR WARRANTIES WITH RESPECT TO THE SUITABILITY OF MATERIALS FOR A PARTICULAR PURPOSE. BUYERS AND USERS MUST DETERMINE THE SAFETY AND SUITABILITY OF RMBILTRITE, LLC's PRODUCTS FOR THEIR OWN PURPOSES, AND ASSUME ALL RISK, RESPONSIBILITY, AND LIABILITY FOR ALL INJURIES, LOSSES, OR DAMAGES ARISING FROM THE APPLICATION OF THE INFORMATION OR USE OF RMBILTRITE, LLC's PRODUCTS, WHETHER OR NOT CAUSED BY RMBILTRITE, LLC's NEGLIEGENCE OR BASED ON STRICT PRODUCT LIABILITY. Terms and conditions are available upon request.