



**Neoprene “Diaphragm” Rubber**

Product Code: Style 6125

Description: 60 Duro Neoprene Diaphragm Rubber Sheet

Specifications: Neoprene (CR) or polychloroprene  
Coated nylon fabric for diaphragm applications  
Temperature range -20°F to 170°F continuous

Typical Rubber Properties

<u>Property</u>	<u>Test Method</u>	<u>Typical Value</u>
Hardness (Shore A)	ASTM D2240	60 ±5
Tensile Strength	ASTM D412	750 psi min
Elongation	ASTM D412	300% min

Coated Fabric Properties

<u>Property</u>	<u>Test Method</u>	<u>Typical Value</u>
Width	ASTM D751	36” & 48” usable
Gauge (36” wide)	ASTM D751 1-Ply	.031, .062, .093, .125,
Gauge (36” wide)	ASTM D751 2-Ply	.125, .187, .250
Gauge (48” wide)	ASTM D751 1-Ply	.031, .062, .093, .125,
Gauge (48” wide)	ASTM D751 2-Ply	.125, .187, .250
Finish	Visual	Plate/Smooth
Color	Visual	Black
Base Fabric		5oz Nylon

- Thickness & Width as specified.

General Polymer Characteristics:

Neoprene rubber is an all-purpose elastomer and an extremely versatile synthetic rubber used in thousands of applications. Neoprene rubber resists degradation from sun, ozone and weather and performs well in contact with oils and chemicals. Neoprene rubber maintains its strength, flexing, twisting and elongation very well over a wide temperature range while having outstanding physical toughness. Many grades of neoprene are available depending on the application.

The cloth inserted material gives the polymer added dimensional stability in both directions. It is suitable for select diaphragm sheet applications.

Thermodyn products are manufactured to general RMA standards and meet the above data sheet guidelines. It is the responsibility of the end user to qualify the material to its intended application. Defects or damage resulting from misuse or mishandling are not covered by Thermodyn’s limited liability policy. Values covered in this data sheet are nominal values that we believe to be accurate and reliable for purposes of qualification in end use applications.