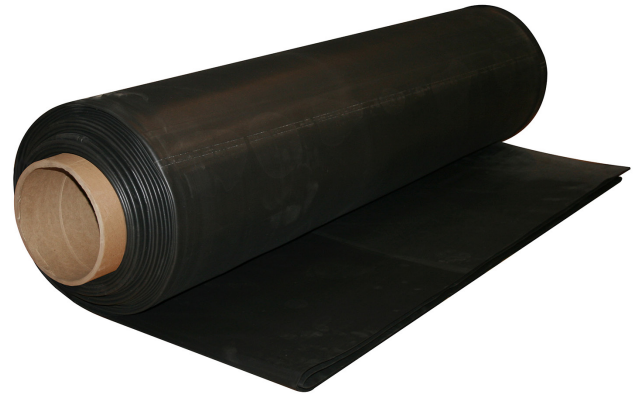


# BIOSAFE RUBBER

*BioSafe Rubber* is a synthetic rubber specially formulated to be safe for plants and aquatic life as well as for food production and potable water systems (rubbers made for roofing or industrial applications may include bio-toxic components). It remains flexible at extremely cold temperatures, does not biodegrade, and can last indefinitely when installed underwater or underground, properties that make it ideal for use to waterproof ponds, planters, flooded green roofs, and cisterns.

A wide range of standard widths from 5 ft to 50 ft and lengths from 5 ft to 200 ft are available to minimize waste and seaming. Standard thickness is 45 mil (0.045" or 1.1mm), but 60 mil (0.060" or 1.5mm) is also available in a limited range of sizes.



## PHYSICAL CHARACTERISTICS

Property	Test Method	US	Metric
Weight	ASTM D751	0.31lb/ft <sup>2</sup>	1500 g/m <sup>2</sup>
Thickness	ASTM D412	0.045 in	1.1 mm
Tensile Strength	ASTM D412	1300 lb/in <sup>2</sup>	9000 kN/m <sup>2</sup>
Elongation	ASTM D412	300%	300%
Tear Resistance	ASTM D624	150 lb/in	26 kN/m
Puncture Resistance	ASTM D4833	25 lb	110 N
Ozone Resistance	ASTM D1149	no cracks	no cracks
UV Resistance	ASTM G151/155	pass	pass
Service Temperature Range	ASTM D2137	- 50° to 200° F	- 50° to 200° C
Vapor Permeability	ASTM E96	0.05 perm	0.08 perm
Chronic Toxicity	ASTM E729	pass	pass
Shrinkage	ASTM D-1204	1%	1%

Standard Dimensions (ft)							
5 x 5							
5 x 10	10 x 10						
5 x 15	10 x 15	15 x 15					
5 x 20	10 x 20	15 x 20	20 x 20				
5 x 25	10 x 25	15 x 25	20 x 25	25 x 25			
5 x 30	10 x 30	15 x 30	20 x 30	25 x 30	30 x 30		
5 x 35	10 x 35	15 x 35	20 x 35	25 x 35	30 x 35		
5 x 40	10 x 40	15 x 40	20 x 40	25 x 40	30 x 40		
5 x 50	10 x 50	15 x 50	20 x 50	25 x 50	30 x 50	40 x 50	50 x 50
5 x 100	10 x 100	15 x 100	20 x 100	25 x 100	30 x 100	40 x 100	50 x 100
	10 x 200	15 x 200	20 x 200	25 x 200	30 x 200	40 x 200	50 x 200