

TITAN EPDM - 60

60mil ECO GEOMEMBRANE LINER



Ethylene Propylene Diene Monomer 60mil

TESTED PROPERTY	TEST METHOD	UNIT ENGLISH (METRIC)	VALUE ENGLISH (METRIC)
Color			Black
Thickness, nominal $\pm 10\%$	ASTM D 5199	mil (mm)	60 (1.52)
TENSILE PROPERTIES			
Break Strength	ASTM D 882	lb/in (kN/m)	65 (11.4)
Break Elongation	ASTM D 882	%	500
Tear Resistance lbf/in (kN/m)	ASTM D 1004	lbs (N)	12 (50)
Puncture Resistance	ASTM D 4883	lbs (N)	45 (190)
Brittleness Temperature	ASTM D 746	$^{\circ}\text{F}$ ($^{\circ}\text{C}$)	-49 (-45)
Water Vapor Permeance Max. perms	ASTM E 96 (Proc B or W)		2.0
Resistance to Water Absorption % change in mass max. after 7 days immersion @ 170 $^{\circ}\text{F}$ (65 $^{\circ}\text{C}$)	ASTM D 471		+8.0 -2.0
Resistance to Heat Aging (Properties after 170 hrs @ 212 $^{\circ}\text{F}$ (100 $^{\circ}\text{C}$) 1. Tensile Break Strength 2. Elongation, ultimate min.	ASTM D 882	%	90 75
Multiaxial Elongation	ASTM D 5617	%	100
Dimensional Stability	ASTM D 1204	%	0.75
Ozone Resistance Condition after exposure to 100pphm ozone in air for 168 hrs @ 140 $^{\circ}\text{F}$ (40 $^{\circ}\text{C}$) (Sample under 50% strain)	ASTM D 1149		No Cracks
Resistance to outdoor (Ultraviolet) Weathering , Xenon-Arc, 4000 hr exposure @ 70 $^{\circ}\text{F}$ (176 $^{\circ}\text{F}$) Black panel temperature, visual condition	ASTM G 26		No Cracks
Toxicity to Fish	ASTM E 729 (96) Modified		Passes
Shore A Durometer	ASTM D 2240		65 \pm 10

This data is provided for informational purposes only. Titan makes no warranties as to the suitability or the fitness for a specific use or merchantability of the products referred to, no guarantee of satisfactory results from reliance upon contained information or recommendations and disclaims all liability from resulting loss or damage. This information is subject to change without notice, please check with us for current updates.

TITAN ENVIRONMENTAL CONTAINMENT

Toll Free: 1-866-327-1957 | Email: info@titanenviro.com | Web: www.titanenviro.com

(Rev. April, 2018)

TRUST. QUALITY. VALUE