

**SKELLERUP****CONTAINMENT SYSTEMS**

A Division of Viking Group Limited

Technical Data Ethylene Propylene Diene Terpolymer (EPDM) Geomembrane

Properties	Test Method	Minimum Values	
Thickness Tolerance	ASTM D 5199	1.14mm ± 10%	1.52mm ± 10%
Break Strength	ASTM D 882	9.6 kN/m	11.4 kN/m
Break Elongation	ASTM D 882	500%	500%
Tear Resistance min.	ASTM D 1004	40 N	53 N
Puncture Resistance	ASTM D 4883	125 N	155 N
Brittleness Temperature max.	ASTM D 746	-45 °F	-45 °F
Water Vapor Permeance max.	ASTM E 96 (Proc. B or BW)	2.0 perms	2.0 perms
Resistance to Water Absorption after 7 d immersion @ 70 °C, max.	ASTM D 471	+4.0 % -2.0 %	+4.0 % -2.0 %
Resistance to Heat Aging (Properties after 170 hours @ 100° C) 1. Tensile Break Strength 2. Elongation, ultimate min.	ASTM D 882	8.8 kN/m 450%	10.5 kN/m 450%
Multiaxial Elongation	ASTM D 5617	100%	100%
Dimensional Stability 168 hrs, 100 °C	ASTM D 1204	0.75%	0.75%
Ozone Resistance Condition after exposure to 100 pphm ozone in air for 168 hrs @ 60°C sample under 50% strain	ASTM D 1149	No Cracks	No Cracks
Resistance To Outdoor (Ultraviolet) Weathering ¹ , Xenon-Arc, 10,080 kJ/m ² exposure @ 80°C Black panel temperature, visual examination 7X magnification	ASTM G 155	No Cracks	No Cracks
Toxicity to Fish*	ASTM E 729(96) (modified)	Pass	Pass
Shore A Durometer	ASTM D 2240	60±10	60±10

¹ Approximately equal to 8,000 hours at 0.35W/m² irradiance.

* It is recommended that customers test EPDM before use to ensure it is compatible with the specific aquatic species for the proposed application.

This data is provided for informational purposes only and is not intended as a warranty or guarantee. Skellerup Containment Systems assumes no responsibility in connection with the use of this data. These values are subject to change without notice. Please contact us for updated information.

When reliability matters