

## OASIS 1.14mm (20 Years)

OASIS 1.14mm is a durable, high-performance EIA geomembrane utilizing DuPont Elvaloy and is specially designed for use on water reservoirs and certified (NSF Standard 61/AS4020) for potable water usage.

Engineered with a proprietary TPA polymer (C3), the cover is highly resistant to oxidation, ozone, ultraviolet light, and weathering effects; and because the membrane does not cure it allows for easy welding of strong reliable seams during the entire lifetime of the cover.



### Material warranty of 20 Years (10 years straight with 10 years reducing)

Tested Property	Unit	Test Method	Values ( * )
<b>Coated Fabric</b>			
Thickness (±10%)	mm		1.14
Colours	---		Tan / Blue
Coating Type	---		Thermoplastic Alloy (TPA)
Sealing Properties	---		Dielectric / Thermal
<b>Material Properties</b>			
Tensile Strength, Grab			
- Warp (MD)	N	ASTM D 751A	1112
- Fill (TD)			1112
Tear Strength, Tongue			
- Warp (MD)	N	ASTM D 5884	245
- Fill (TD)			245
Puncture, Ball	N	ASTM D 751	1200
Puncture, Screwdriver	N	ASTM D 751	250
Hydrostatic Resistance	MPa	ASTM D 751	2.4
Dimensional Stability	%	ASTM D 1204	2.5
Low Temperature Brittleness	°C	ASTM D 1790	-26
Abrasion Resistance (H18/1kg)	cycles	ASTM D 3389	3000
Ozone Resistance (100 ppm @ 40°C)	---	ASTM D 1149	Pass
Coefficient of Thermal Expansion	m/m/°C	ASTM D 696	6.9 x 10 <sup>-5</sup>
Weathering Resistance (accelerated lab)*	11,000 hrs	ASTM G 154	No Cracking
Weathering Resistance (accelerated outdoor)*	30 months	ASTM G 90	No Cracking
Weathering Resistance (natural outdoor)*	24 months	ASTM D 1485	No Cracking
Seam Shear Strength	N	ASTM D 7749	890
Seam Peel Strength	N/cm	ASTM D 751	35

**NOTES:**

(\*): Weathering testing is ongoing in Rhode Island (laboratory) and Arizona (outdoor), USA.

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