

OASIS 1.52mm (30 Years)

OASIS 1.52mm 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 30 Years

Tested Property	Unit	Test Method	Values (*)	
Coated Fabric				
Thickness (±10%)	mm		1.52	
Colours	---		Tan / Blue	
Coating Type	---		Thermoplastic Alloy (TPA)	
Sealing Properties	---		Dielectric / Thermal	
Material Properties			Minimum	Typical
Tensile Strength, Grab				
- Warp (MD)	N	ASTM D 751A	1779	2002
- Fill (TD)			1690	1913
Tensile Elongation, Grab				
- Warp (MD)	%	ASTM D 751A	30	35
- Fill (TD)			30	35
Tear Strength, Tongue				
- Warp (MD)	N	ASTM D 5884	623	800
- Fill (TD)			578	800
Puncture, Ball	N	ASTM D 751	1846	2291
Puncture, Screwdriver	N	ASTM D 751	334	445
Puncture, Rod	N	ASTM D 4833	512	756
Hydrostatic Resistance	MPa	ASTM D 751	4.5	5.2
Dimensional Stability (100°C / 1hr)	%	ASTM D 1204	±2	±1
Low Temperature Bend	°C	ASTM D 2136	-34	-34
Low Temperature Brittleness	°C	ASTM D 1790	-26	-26
Abrasion Resistance (H18 / 1kg)	Cycles	ASTM D 3889	7 000	7 500
Ozone Resistance (100 pphm @ 40°C)	---	ASTM D 1149	Pass	Pass
Coefficient of Linear Thermal Expansion	m/m/°C	ASTM D 696	8.2 x 10 ⁻⁵	8.2 x 10 ⁻⁵
Weathering Resistance (accelerated lab)*	13,000 hrs	ASTM G 154	No Cracking	No Cracking
Weathering Resistance (accelerated outdoor)*	34 months	ASTM G 90	No Cracking	No Cracking
Weathering Resistance (natural outdoor)*	24 months	ASTM D 1485	No Cracking	No Cracking
Seam Shear Strength	N	ASTM D 7749	890	1023
Seam Peel Strength	N/cm	ASTM D 751	35	52

NOTES:

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

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Installation Requirements

The Geomembrane shall be installed and seamed by an International Association of Geosynthetic Installers' (IAGI) certified Approved Installation Contractor (AIC) using proven solid wedge welding technology.

The information and recommendations contained in this bulletin are based on data which we believe is reliable but all such information and recommendations are given without guarantee or warranty. Please contact us for further up to date Information.

