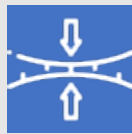


OrbWeave DS is an impermeable heavyweight double scrim, multi-layered reinforced HDPE geomembrane utilizing an engineered designed weave pattern to enhance its overall thickness and tear properties. The proprietary coating is designed to improve its abrasion resistance, overall strength and toughness for exposed applications that require extremely high puncture resistance and tensile strength. OrbWeave is the industry leader for quality and strength, making it your ideal choice for any containment or cover project.



HIGH STRENGTH



HIGH PUNCTURE



UV RESISTANT



RECYCLABLE

Applications:

- Reservoirs & Canals
- Stormwater Management
- Exposed Ponds (Fish Safe)
- Above Ground Fracking
- Mining
- Coal/Ash Remediation
- Long Term Containment
- Dredging Pads

Features/Benefits:

- 144” rolls allow it to be factory fabricated to reduce field seaming and installation time.
- Allows for larger fabricated panels.
- Formulation offers optimal welding temperature, for ease and speed. Creating better welds that last.
- Available in white and other colors upon request
- 20 year exposed or buried warranty

Specifications:

Weave: Two woven black HDPE scrims

Coating: LDPE coating, 2.5mil average each side/laminate (62g/m²/side)

Weight: 746gsm ± 5% (22oz/yd² ± 5%) finished weight

OrbWeaveDS			
Property	Performance	40DS	45DS
Thickness	ASTM D1777	40mil	45mil
Grab Tensile	ASTM D7004	MD 680lb TD 680lb	MD 660lb TD 890lb
Tongue Tear	ASTM D5884	MD 140lb TD 135lb	MD 110lb TD 110lb
Mullen Burst	ASTM D751	1300psi	1320psi
Puncture Resistance	ASTM D4833	350psi	365psi
CBR Puncture Resistance	ASTM D6241		2265lbs
Hydrostatic Resistance	ASTM D751	685psi	880psi
Weathering	ASTM G154	>90% after 2,000 hrs	>90% after 2,000 hrs

MD= Machine Direction; TD= Transverse Direction

These values are typical data and not intended for limiting specifications. We believe them to be reliable and accurate to the best of our ability and are intended for guidelines of performance (+/- 10%)

