

Silver Flex is an engineered multilayered geomembrane used for water retention applications. Silver Flex has a uniquely designed Recoil™ Film technology to offer an exceptionally high hydrostatic resistance to hold millions of gallons of water. In addition, Silver Flex product has an innovative Fusion™ coating technology to offer a watertight seal panels. The core woven fabric offers high tensile and tear strength combined with outstanding dimensional stability.

Silver Flex is stabilized with special UV stabilizers and antioxidants designed to be use for an extended long time exposure water retention applications. Silver Flex has an excellent flexibility, outstanding durability, stress cracking resistance along with lightweight construction provides an excellent performance in all climates and environmental conditions.

Silver Flex Technical Data

PROPERTY	TEST/METHOD	TYPICAL VALUE
Film Structure	Recoil™ Technology	
Fusion Coating	Proprietary Polymer Blend	
Weight (GSM)	ASTM D 5261	260
Nominal Thickness (Mils)	ASTM D 1777	12
Hydrostatic Resistance (PSI)	ASTM D 751	225
Breaking Strength (lbs)	ASTM D 751	MD 280 CD 220
Tear resistance (lbs)	ASTM D 4533	MD 55 CD 45
Puncture resistance (lbs)	ASTM D 751	90
Bursting strength (Ball burst) (PSI)	ASTM D 751	260
Low Temperature Flexibility	ASTM D 2136	-50 °C
Accelerated UV Weathering	ASTM G154	> 90% @ 2000 Hours†

All values are ± 10%. †QUV A-340 lamps 8 hrs UV @ 60° C, 4 hrs condensation @ 40°. MD = Machine Direction CD = Cross Direction. The test data is based on an average taken over several production runs and should not be considered or interpreted as minimum or maximum values. Values are typical data and not limiting specifications.



Web: www.avenex.com
 Email: info@avenex.com
 Telephone: 604-304-6100

SILVER
FLEX

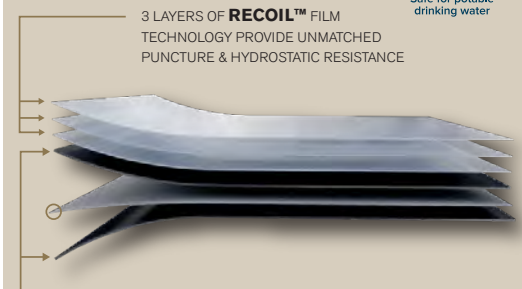


DATA SHEET

- ✓ **EASY TO INSTALL**
- ✓ **EASY TO WELD**
- ✓ **LONG LIFE**



Meets
 NSF/ANSI 61
 Safe for potable
 drinking water



3 LAYERS OF **RECOIL™** FILM TECHNOLOGY PROVIDE UNMATCHED PUNCTURE & HYDROSTATIC RESISTANCE

FUSION™ COATING TECHNOLOGY MAKES IT EASY TO SEAM IN THE FACTORY OR FIELD AND PROVIDES A WATERTIGHT SEAL FOR PANELS.

- **WOVEN CORE**
 PROVIDES DIMENSIONAL STABILITY AND STRENGTH

Features and Benefits

- Recoil™ Film technology to offer an exceptionally high hydrostatic resistance.
- Fusion™ coating technology to offer a watertight seal panels.
- Thickness - 12 mils geomembrane.
- Excellent tensile and tear strength.
- High Puncture, impact and abrasion resistance.
- Ease of welding at low temperatures.
- Special UV and Antioxidant package for long term exposure.
- Outstanding Chemical resistance.
- Meets NSF/ANSI 61 – Safe for potable drinking water.
- Non-toxic, no PVC or other hazardous materials used in the construction of the geomembrane.

Applications

- Pond Liners
- Oil Field Pit Liners
- Containment Liners
- Golf Course and Decorative Pond Liners
- Remediation Liners
- Secondary Containment Applications