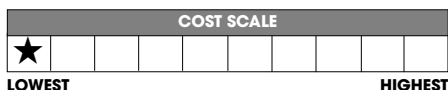


SSI™ ADVANCED MEMBRANE MATERIALS

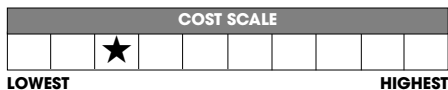
EPDM

Manufactured by compression molding with a standard cure, low plasticizer content, and 1mm or 2mm perforations. Compression molding with modern equipment utilizing individual thermocouples and vacuum technology ensures a repeatable very high quality product.



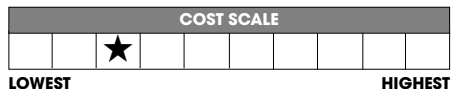
fEPDM

fEPDM membranes were developed in 2007 as an answer to those few cases where solvents were present and posed a risk to PTFE-coated membranes, and patent protection was filed for in 2008. In practice, they have outstanding chemical resistance similar to Viton®. A significant additional benefit of fEPDM membranes is that the entire outer surface area of the membrane is protected. This proprietary process also treats and protects the inner slits!



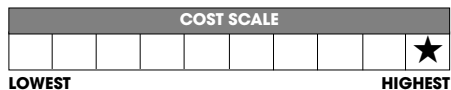
PTFE

Developed in 2004, and patent protection filed for in 2005, the PTFE-coated EPDM membrane is now proven technology. The PTFE surface layer protects the EPDM substrate from chemical attack, while at the same time significantly reducing surface fouling on the membrane. In time, we expect to learn that PTFE-coated EPDM membranes outlast standard EPDM, thereby reducing the life cycle costs even further. Industrially, this product is a “must have,” and has become the industry standard in pulp and paper, dairy, refinery, carbonated beverage, and landfill leachate applications. Municipally, it is used by major cities worldwide due to the anticipated life cycle cost benefits and reduced maintenance.



VITON®

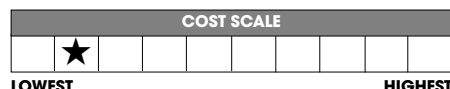
This material has been used successfully by SSI in a few applications where cost is not an issue. The membrane works very well, and is highly resistant to most foulants and chemicals. However, it is quite costly. Viton® costs us about 10 times what we pay for EPDM.



Viton® is a registered trademark of DuPont.

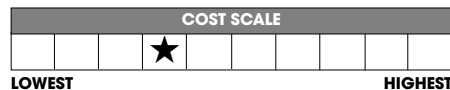
PEROXIDE-CURED EPDM

In those cases where the highest possible temperature resistance is required, a peroxide cure enables our membrane to operate to 250° F (120° C).



ULTRA FINE BUBBLE

SSI ultra fine bubble membranes produce bubbles of < 1mm in diameter as compared to 1-3mm in diameter for our other membranes. This membrane is perforated with needles as opposed to slits, and the headloss is slightly higher. However our unique approach to ultra fine bubble membranes results in a lower headloss than competitors' products. SSI ultra fine bubble membranes are thin, structurally reinforced, and have a special coating specifically designed by SSI chemists to provide the most hydrophobic surface possible. With SSI ultra fine bubble membranes, no daily relaxing is required, and moisture is purged from the system in the usual way, as all of our systems are installed on a piping grid.



Please see reverse for additional technical data



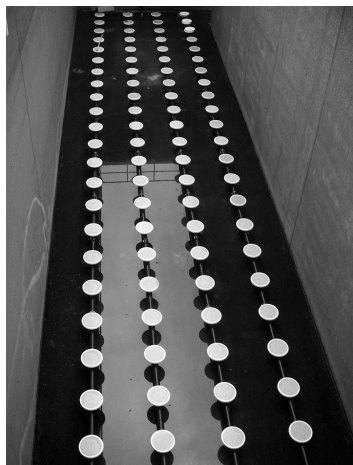
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SSI™ ADVANCED MEMBRANE MATERIALS

continued



R E F E R E N C E S

MENASHA, WISCONSIN – 2005

SCA Tissue North America LLC
Fine Bubble Diffuser System (750 pieces of AFD350-P: 12" Disc Diffusers with PTFE coating)

ALMA, KANSAS – 2006

Alma WWTP
Fine Bubble Aeration (160 pieces of AFD350-P: 12" Disc Diffusers with PTFE coating)

MEXICO CITY, MEXICO – 2004, updated 2006

Danone de Mexico WWTP
Fine Bubble Aeration System (800 pieces of AFD350 – 12" Disc Diffusers)

EAGLE, ID – 2007

Avimore Water Reclamation Facility
Three (3) Aeration basins with Fine Bubble Aeration (243 total pieces of AFD270-P: 9" Disc Diffusers with PTFE-coated membranes)

SINCLAIR, WY – 2006

Sinclair Wyoming Refining Company
Fine Bubble Aeration (1,120 feet of 80mm x 3048mm PTFE-coated tube membranes)

QUEBEC, CANADA – 2004

Agropur Cheese Plant
Fine Bubble Aeration (1,300 pieces of 9" PTFE-coated disc membranes)

OSWEGO, IL – 2008

Fox Metro Water Reclamation District
Fine Bubble (3,048 pieces of AFD350-P: 12" Disc Diffuser w/ PTFE-coated membrane)

LILLESTROM, NORWAY – 2007

Dynea Norway
Fine Bubble Aeration (832 pieces of 91 x 500mm diffusers w/ PTFE-coated membranes & 138 pieces of 91 x 1000mm diffusers w/ PTFE-coated membranes)

SAUDI ARABIA – 2005 thru 2008

North Jeddah & West Makka
Wastewater Treatment Plants
Fine Bubble Aeration (70,000 pieces of AFD270-P: 9" Disc Diffusers with PTFE-coated membranes)

OSWEGO, IL (PHASE II) – 2008

Fox Metro Water Reclamation District
Fine Bubble (3,048 pieces of AFD350-P: 12" Disc Diffuser w/ PTFE-coated membrane)

MATANE, QC – 2008

Tembec Pulp and Paper
Replacing Sanitaire™ 9" membrane discs
500/22,000 pieces shipped 2008 – pending results of pilot test, balance will ship

TROIS RIVIERES, QC – 2008

Kruger Wayagamack
9200 pieces 9" PTFE membrane replacing Sanitaire™ 9" membrane discs

UP, MICHIGAN

Versa Coated Paper
8000 pieces 9" PTFE membrane

WYOMING – 2007

Sinclair Oil Refinery
PTFE tube diffusers

CITY OF SEDALIA, MO – 2007

PTFE tube membrane replacement – replaced torn silicone diffusers

FRANCE – 2007

Yoplait Yogurts
Tube Diffusers

CITY OF SYDKYSTEN, DENMARK – 2007

CITY OF FREDERIKSHAVN, DENMARK – 2007

NIELSENS FISH EXPORT, DENMARK – 2006

FRANKLINTON, NC USA – 2006

Novozymes
PTFE tube diffusers

NORWAY – 2006

Dynea
PTFE tube diffusers

YORKSHIRE WATER, UK

Multiple Sites
All replacement work of existing EPDM diffusers - 20,000 pieces AFD270 PTFE – 2006-present. Each site SOTE tested; client fully satisfied with all purchases.

ARGENTINA

YPF/Repsol – Viton® membranes
Viton® is a registered trademark of DuPont.

PROJECTS SHOWN ABOVE:

*Left: North Texas Municipal WWTP, USA
Center: Danone (Dairy) WWTP, Mexico
Right: Songnam Municipal WWTP, Korea*



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