

Environmental Dynamics International

PTFE Membrane Technology

Specification	PTFE-Coated	Matrix	Matrix Plus
Surface layer (water side)	HNBR w/ PTFE	PU w/ PTFE	PU w/ PTFE
Substrate layer (air side)	EPDM	PU w/ PTFE	HTPU
Tensile strength (psi)	1500	4,000 ~ 6,000	5,000 ~ 7,000
Fine bubble disc	Available	Available	Not available
Fine bubble tubes	Available	Available	Available
Fine bubble panels	Available	Available	Available
Maximum Working Temperature (mean wall)	250 °F	160 °F	180 °F

PTFE Membrane Capabilities

Application	PTFE-Coated	Matrix	Matrix Plus
Typical municipal	+++	+++	+++
Typical industrial	+	+++	+++
High-temperature applications	+++	+	++
Energy efficiency (new)	++	+++	+++
Energy efficiency (long-term)	+	+++	+++
Fouling resistance	+	++	+++
Abrasion resistance	Limited	+++	+++
Slit protection	Limited	+++	+++
Dairy waste	+	+++	+++
Pulp & paper	+	+++	+++
Chemical	Not recommended	+++	+++
Refinery	Not recommended	+++	+++
Meat processing (beef, pork, poultry)	+	+++	+++
Leachate	Not recommended	+++	+++

+ - Good

++ - Better

+++ - Best

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