

Material properties and applications plastic membranes



Material Property	Aquatex EX®	Aquatex® PVC	Aquatex® Extreme	Aquatex® EPDM	Aquatex® PE
Material	fPO	PVC-P	PVC-P	EPDM (Rubber membrane)	fPO
Thickness [mm]	0.6 - 1.0	0.5 - 1.0	0.70	0.75 - 1.02	1.0
Weight [g/m ²]	550 (0.6 mm)	650 (0.5 mm)	900	900 (0.75 mm)	950 (1.0 mm)
Plasticizer	–	✓	✓	–	–
Temperature resistance					
• Heat	+++	+	++	++++	+++
• Cold	+++	+ / -	+ / -	+++	+++
UV resistance	+++	+	++	+++	+++
Chemical resistance	+++	+	++	+++	+++
Certificates					
• Kiwa (BRL-K519)	–	✓	–	–	–
• HA (Kiwa / drinking water)	–	✓	–	–	–
• NSF/ANSI 61 (drinking water)	–	–	–	–	–
Repair options					
• Welding (blow dryer)	✓	✓	✓	–	✓
• Adhesives	✓	✓	✓	✓	–
• Repair tape	✓	✓	✓	✓ (vulcanizing tape)	✓
Pond lining	✓	✓	–	✓	✓
Tank lining	✓	✓	✓	✓	✓
Rainwater	✓	✓	✓	✓	✓
Recirculation water	✓	–	✓	✓	✓
Chlorinated water	–	≤1 ppm	≤3 ppm	≤1 ppm	≤1 ppm