



Technical Data Sheet

XR-5 – Reinforced Geomembrane

Product Application Chart	XR-5	XR-3	XR-3 PW (Potable Water grade)
High Puncture Resistance	X		X
UV Resistance	X	X	X
High Strength Applications	X		X
Floating Covers (Non-potable)	X	X	
Diesel/Jet Fuel Containment	X		
Industrial Wastewater	X		
Storm water	X	X	
Municipal/Domestic Wastewater	X	X	
Floating Diversion Baffles/Curtains			X
Potable Water			X
Chemically Resistant Applications	X		

Properties	Test Method	XR-5	
		Metric Units	English units
Thickness	ASTM D751	0.76 mm	30 mil
Weight	ASTM D751	1017 ± 70 g / m ²	30.0 ± 2 oz / yd ²
Grab Tensile Strength (min.)	ASTM D751	2448 N	550 lbf
Tear Strength (min.)	ASTM D4533	175 / 245 N	40 / 55 lbf
Puncture Resistance (min.)	ASTM D4833	1200 N	275 lbf
Low Temp. (pass at 4hr)	ASTM D2136	-34°C	-30°F
Dimensional Stability (max.)	ASTM D1204	0.5 %	0.5 %
Hydrostatic Resistance (min.)	ASTM D751	5.51 mPa	800 psi
Burst Strength (Ball Tip method)	ASTM D751	3330 N	750 lbf
Bonded Seam Strength (min.)	ASTM D751	2450 N	550 lbf
Adhesion Heat Welded Seam (min.)	ASTM D751	17.5 daN / 5 cm	40 lbs / 2 in