

Hypalon® (Chlorosulfonated PE)



Hypalon®

Hypalon is a reinforced flexible geomembrane with proven record for exceptional service life. It is durable in the most extreme UV and ozone exposed conditions, and is resistant to a wide variety of organic and inorganic chemicals. Hypalon retains its flexibility and dimensional stability in freeze/thaw environments, making it the liner of choice for exposed applications in northern climates.

Common Applications

- Industrial Waste
- Floating Covers
- Exposed Lagoons
- Potable Water

Material Advantages

- Available in several colors and 3 to 5 ply construction
- 20 year warranty



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Hypalon® - (Chlorosulfonated Polyethylene)

Hypalon Properties	Test Method	Test Result	
		36 mil	45 mil
Total Piles		3	3
Mil Thickness (nominal)		36	45
Piles - Reinforcing		1	1
Thickness (mils min.)			
Overall	ASTM D751 - Optical Method	34	41
Over Scrim	ASTM D751 - Optical Method	11	11
Breaking Strength (pounds min)	ASTM D751 - Grab Strength	200	220
Elongation at Break (% min.)			
Fabric		15	15
Membrane		30	30
Tear Propagation (pounds min.)	ASTM D751, Tongue Tear (8" X 8" sample)	80	80
Hydrostatic Pressure (Min. resistance, psi)	ASTM D751, Method A, procedure 1	250	250
Puncture Resistance (pounds typical)	FTMS 101B, Method 2031	240	250
Bonded Seam Strength (pounds min.)	ASTM D751 - Modified (12 in./min.)	160	160
Ply Adhesion (lbs./in-width min.)	ASTM D143, Machine Method, Type A (12 in/min)	7 (or Film Tearing Bond)	7 (or Film Tearing Bond)
Ozone Resistance	ASTM D1149, 1/8" Bent Loop, 100 PPHM, 104°F, 7 days)	Pass	Pass
Low Temperature	ASTM D2136, 1/8" Mandrel, 4 hrs @ -40°F	Pass	Pass

All values are nominal test results, except when specified as minimum or maximum. These specifications are offered as an informational guide for consideration to assist project coordinators with their specifications. These values are not intended as a warranty or guarantee, and Headwater Lining assumes no liability in connection with this information. Headwater Lining reserves the right to change specifications contained herein without notice.



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