



HypaFlex CSPE

CHLOROSULFONATED POLYETHYLENE

SPECIFICATION SHEET

GEOMEMBRANE formerly known as Hypalon, is a high-performance geomembrane material designed for long-term applications, including floating covers and exposed liners. Provides truly outstanding UV protection and long-term performance. HypaFlex is backed with an industry-leading 30-year weathering warranty.

MINIMUM MATERIAL PROPERTIES

STYLE	ASTM	M-283	M-284	M-423	M-529
TOTAL PILES		3	3	3	5
THICKNESS (NOMINAL)	D751	36 mil 0.9 mm	45 mil 1.14 mm	60 mil 1.5 mm	60 mil 1.5 mm
TENSILE STRENGTH	D751	225 lbs 1000 N	250 lbs 1100 N	300 lbs 1300 N	390 lbs 1700 N
ELONGATION	D751	50%	60%	75%	30%
PUNCTURE	FTMS101 (2031)	200 lbs 890 N	225 lbs 1000 N	250 lbs 1100 N	400 lbs 1780 N
OZONE RESISTANCE	D1149	No Effect	No Effect	No Effect	No Effect
HYDROSTATIC RESISTANCE	D751A	300 psi 2100 kPa	350 psi 2400 kPa	400 psi 2760 kPa	500 psi 3450 kPa
TEAR STRENGTH	D751 TONGUE	70 lbs 310 N	80 lbs 350 N	80 lbs 350 N	130 lbs 580 N
LOW TEMPERATURE	D2136	-40°F -40°C	-40°F -40°C	-40°F -40°C	-40°F -40°C

MINIMUM SEAM STRENGTHS

Style	ASTM	M-283	M-284	M-423	M-529
Heat Bonded Seam Strength	D7749	200 lbs 890 N	225 lbs 1000 N	270 lbs 1200 N	360 lbs 1600 N
Heat Bonded Peel Adhesion	D7747	Film Tear Bond	Film Tear Bond	Film Tear Bond	Film Tear Bond

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