



Verdaliner 240 Reinforced Synthetic Polyethylene Geomembrane

Roofing and waterproofing solutions to facilities designed for temporary storage of waste. Barriers to permanent closure and / or temporary in landfills (leachate and odors reduction).
 Reclamation with permanent safety measures for contaminated sites (fumes, odor and dust suppression), waterproofing systems for biopiles, bioreactors and biological treatment beds.

Basic fabric

Geomembrane green, made with a triple coated low density polyethylene (LDPE), reinforced with armor inner lining of high density polyethylene (HDPE). The geomembrane is UV stabilised.

Technical specification

Item	Values	Test methods
Weight	240 [g/m ²]	UNI EN 1849-2
Thickness	0,4 [mm]	UNI EN 1849-2
Tensile strength MD	16 [kN/m]	UNI EN ISO 527-4
Tensile strength CMD	15 [kN/m]	UNI EN ISO 527-4
Elongation at maximum load MD	29 [%]	UNI EN ISO 527-4
Elongation at maximum load CMD	38 [%]	UNI EN ISO 527-4
Static puncture resistance	2,7 [kN]	UNI EN ISO 12236
Shear strength of joints	553 [N]	UNI EN ISO 12317-2
Temperature resistance (Range)	- 30° ≤ T°C ≤ 70° -	
UV resistance (Grade)	360 kLy	DIN 54004
Liquid permeability	< 10 ⁻⁶ [m ³ ·m ⁻² ·d ⁻¹]	UNI EN 14150
Gas tightness	< 40·10 ⁻⁶ [m ³ m ⁻² d ⁻¹]	ASTM D 1434
Resistance to weathering	Variation of tensile strength and tensile elongation ≤ 25%	UNI EN 12224
Resistance to oxidation	Variation of tensile strength and tensile elongation ≤ 25%	UNI EN 14575
Size available		
Cover Up factory pre-welded membranes can be delivered as:	Standard: Max width 20m Custom: Max width:50m	

-The technical data above are derived from accurate laboratory tests performed by the manufacturer. Tolerance 10%-

Specialists in Geosynthetics & Erosion Control