Specialist Geomembranes

Technical Data Sheet

Landflex™ PVC1100P



This cloth reinforced PVC geomembrane possesses a greater puncture resistance than plain unreinforced polymers due to the multi-ply nature of the material with 2 layers of polymer, one on either side of the high tenacity base cloth. The high tensile strength of the polyester material gives the geomembrane a very tough tear strength and with the good adhesion properties of the polymer to the cloth, offers excellent resistance to mechanical damage.

The information herein is based upon data obtained by the manufacturer and is considered accurate. However, no warranty is expressed or implied regarding the accuracy of this data. This information is furnished upon the condition that the person receiving it shall evaluate its suitability for the specific application.

Material Properties	Unit	Test Method	Typical Values
Width	cm	-	265
Colour	-	-	Beige 1695
Yarn	-	-	100% PES 110 d/tex 12 x 12 threads/cm
Total weight	g/m²	DIN EN ISO 2286-2	1100
Tensile strength	N/5cm	EN ISO 1421-1	Warp 4000 Weft 3500
Tear strength	N	DIN 53 363	Warp 600 Weft 500
Coating adhesion	N/5cm	EN ISO 2411	12
Temperature resistance	°C	DIN EN 1876-2	-30 to +70
UV Stability	kLy	-	600
Lightfastness	-	-	8
Special properties	-	-	Suitable for contact with potable water and food



Example application:
Water storage bladder / transport bladder



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