

terrafix® Geomembrane

WPE 24

Technical Data Sheet

WPE 24 is a heavyweight incorporating a special weave pattern to enhance thickness, flatness and tear properties with a new coating recipe to improve toughness and abrasion resistance.

FABRIC SPECIFICATIONS	TEST METHOD	VALUE	
Weave	-	Woven Black HDPE Scrim	
Coating	-	4.0 mil average each side (94 g/m ² /side)	
Colour	-	White/Black or coloured coating available	
Weight	-	12.6 oz/yd ² (427 g/m ²) +/- 5%	
Thickness	ASTM D-5199	24 mil (0.61 mm)	
PERFORMANCE	TEST METHOD	WARP	WEFT
Grab Tensile	ASTM D-5034 95	355 lb (1576 N)	388 lb (1722 N)
Tongue Tear	ASTM D-2261 96	83 lb (368 N)	86 lb (381 N)
Trapezoidal Tear	ASTM D-4533 04	68 lb (302 N)	78 lb (346 N)
Mullen Burst	ASTM D-3786 01	740 psi (5106 kPa)	
Puncture Resistance	ASTM D-4833 07	205 lb (912 N)	
Accelerated UV Weathering ⁽¹⁾	ASTM G-151 ASTM G-154 04	>90% strength retention after 2000 hrs exposure @ 0.77 W/m ² /nm, or 1200 hrs exposure @ 1.35 W/m ² /nm.	
ROLL SPECIFICATIONS			
Core	-	4 in (101.6 mm) or 5 in (127 mm) I.D.	
Width	-	Up to 150 in (-0,+0.5) as ordered, 3.81 m (-0,+12mm)	
Length	-	Min. 250 yd/roll (229 m); up to 1000 yd/roll (914 m)	

NOTES:

1. Q.U.V. [A-340 Lamps]: 8 hrs UV @ 60°C ; 4 hrs condensation @ 50°C.

* These values are typical data and are not intended as limiting specifications.

WARRANTY

A two (2) year limited warranty is offered on liners used in exposed applications. On fully buried installation, the limited warranty is for a period of ten (10) years. Contact your Terrafix representative for further details.