



AquaMaster™ RLLDPE 30

Pro Forma DATA SHEET

Heavy duty membrane barrier intended for use as a liner for pits, ponds, canals, etc.

FABRIC SPECIFICATIONS

CONSTRUCTION	Reinforcing polyester scrim between LLDPE barrier layers
COLOUR	Black, and other colors available after consultation
WEIGHT	20 oz/yd ² (678 g/m ²) +/- 5 %
THICKNESS	Nominal 30 mils (0.76 mm)

PERFORMANCE

GRAB TENSILE	Warp 290 lb 1289 N	Weft 270 lb 1200 N	ASTM D751/NSF
TONGUE TEAR-LARGE SCALE	Warp 134 lb 596 N	Weft 102 lb 453 N	ASTM D5884-01
TRAPEZOIDAL TEAR	Warp 260 lb 1156 N	Weft 115 lb 511 N	ASTM D4533-04
MULLEN BURST	340 psi 2346 kPa		ASTM D3786-01
HYDROSTATIC RESISTANCE	321 psi 2220 kPa		
CARBON BLACK CONTENT	4.38 %		ASTM D4218-96
CARBON BLACK DISPERSION	Rating = 1		ASTM D5596-03
VOLATILE LOSS	0.11 %		ASTM D1203-94
DIMENSIONAL STABILITY	Warp -0.62 %	Weft 0.81 %	ASTM D1204-02
LOW TEMPERATURE FLEX	Warp Pass @ -40°	Weft Pass @ -40°	ASTM D2136-94
TYPICAL WELD VALUES	Peel > 20 lb/in	Shear > 90 lb/in	ASTM D4851-97
ACCELERATED UV WEATHERING ¹	>95% strength retention after 2000 hrs exposure @ 0.77 W/m ² /nm, or 1200 hours exposure @ 1.35 W/m ² /nm.		ASTM G151-00 ASTM G154-04

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.

NOTE: All cut edges where the scrim is exposed must be sealed using AquaMaster PE welding rod.

WARRANTY

A 15 year limited warranty is offered on liner applications. Contact your IPG representative for further details.