


TECHNICAL SPECIFICATIONS

TECHNICAL CHARACTERISTICS OF <i>POLY FLEX™</i> EPDM MEMBRANE/ POND LINER GRADE " G " - COLOURED		SPECIFICATION : SAB:2394/07-03 DT.17-07-03 SAB:2394/08-03 DT.25-08-03		
PHYSICAL PROPERTY	ASTM/BS TEST METHOD	REQUIREMENT OF		<i>POLY FLEX™</i> RESULT
		RMA/ROOF COUNCIL-USA	ASTM STANDARD	
COLOUR	.....	Black	.....	COLOURED
THICKNESS	-D 412/BS 903	1.016	1.016	1.1 TO 1.15
TENSILE STRENGTH (MPa)	-D412Die C/BS903 Part A2	9-Min	9-Min	9.70
ELONGATION AT BREAK (%)	D412/BS903 Part A2	300-Min	300-Min	825
ANGULAR TEAR kN/m	D 624 die C / BS903 Part A3	26.27-Min	26.27-Min	26.9
BRITTLENESS POINT max.°F (°C)	D 2137	-49 (- 45)	-49 (- 45)	NO CRACK
Linear Dimensional Change at 116°C for 16 hrs	D 1204./.....	±2%	±1%	+0.3%
Ozone Resistance /166 hrs./50 PPHM/40°C 50% Extension	D1149/BS903 Part A43	NO CRACK	NO CRACK	NO CRACK
HEAT AGEING (168 h @ 116°C)	D-573/BS903 Part A10			
Tensile		6.0Mpa-Min	8.30Mpa-Min	8.50 Mpa
Elongation at Break		200%_Min	200%-Min	525%
Angular Tear (kN/m)		21.9-Min	21.9-Min	26
Water Absorption at 70°C for 166 hrs.	D-471/.....	+8% - 2%	+8% - 2%	+4.3%
Factory Seam Strength (Seam Joint 50mm)	D-816/.....	Sheet failure or 50 Lb/inch minimum	.....	Sheet failure at 24Kg./inch.
Hardness	.....	.....	.....	63 ± 5°A
Density gm/cm²	...../Bs903 Part A1	.....	.....	1.2
SIZE OF ROLL	.....	.....	.....	L=25 -- 30 MTR W=1 TO 1.2 MTR

REF : D-4637/D-6134 & Tolerance as per UEAtc : MOAT No: 46-1988

- We Stand "NO" Guarantee towards colour that may affect due to Weather Conditions.
- Colour Shade may vary from roll to roll or Batch to Batch due to Manufacturing Process.

The above values are taken from specimens made under reproducible laboratory conditions.

However they may differ some what on actual production / supply due to vulcanization conditions at factory.

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