


TECHNICAL SPECIFICATIONS

TECHNICAL CHARACTERISTICS OF <i>POLY FLEX™</i> EPDM MEMBRANE/ POND LINER GRADE " G "		SPECIFICATION : TC : SAB-778/12-02 DT. 19-12-02 IRMRA :		
PHYSICAL PROPERTY	ASTM/BS TEST METHOD	REQUIREMENT OF		<i>POLY FLEX™</i> RESULT
		RMA/ROOF COUNCIL-USA	ASTM STANDARD	
COLOUR	.....	Black	.....	Black
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	9.90
ELONGATION AT BREAK (%)	D412/BS903 Part A2	300-Min	300-Min	450
ANGULAR TEAR KN/m	D 624 die C / BS903 part A3	26.27-Min	26.27-Min	37
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 (670 h @ 116°C)	D-573/BS903 Part A10			
Tensile		6.0Mpa-Min	8.30Mpa-Min	11.2 Mpa
Elongation at Break		200% _Min	200%-Min	295%
Angular Tear (kN/m)		21.9-Min	21.9-Min	23
Water Absorption at 70°C for 166 hrs.	D-471./.....	+8% - 2%	+8% - 2%	+1.7%
Factory Seam Strength (Seam Joint 50mm)	D-816./.....	Sheet failure or 50 Lb/inch minimum	.....	Sheet failure at 24Kg./inch.
Flex Cracking	...../BS903 Part A10	.....	.....	200000 Cycles No Cracks
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

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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