POLYGOMMA™
for generations and beyond...
EPDM WATERPROOFING MEMBRANES AND POND LINERS

Technical Specifications of Polygomma™ EPDM Strips-Grade RM			
Physical Property	**Test Method**	**Requirement of ASTM Standard (Type I)**	**Polygomma™ Result**
Colour	-	-	Black
Thickness (mm)	ASTM D-412	1.016	.
Tensile Strength (MPa)	ASTM D-412	9-Min	9.90
Elongation Ultimate (%)	ASTM D-412	300-Min	450
Angular Tear (kN/m)	ASTM D-624	26.27 Min	37
Temperature Resistance	-	-	-40°C to +160°C
Tensile Set (%)	ASTM D-412	10 Max	2
Brittleness Point Max °F (°C)	ASTM D-2137	-49 (-45)	No Cracks
Ozone Resistance/166 hrs/ 50 PPHM/40°c 50% Extension	ASTM D-1149	No Cracks	No Cracks (Pass)
Heat Aging (670h @ 116°C)	ASTM D-573		
➢ **Tensile Strength (MPa)**	ASTM D-412	8.30 Min	11.2
➢ **Elongation Ultimate (%)**	ASTM D-412	200 Min	295
➢ **Angular Tear (kN/m)**	ASTM D-624	21.9-Min	23
Linear Dimensional Change (%)	ASTM D-1204	±1	+0.3
Water Absorption at 70° for 166 hours (%)	ASTM D-471	+8,-2	+1.7
Factory Seam Strength (kN/m)	ASTM D-816	8.8	Sheet Failure
Puncture Resistance (Kg)	ASTM D-5602	32	37
Flex Cracking	BS 903 Part A10	-	200000 Cycles
Hardness	ASTM 2240		62±5°A
Specific Gravity	ASTM D-297		1.3
Visual Inspection	ASTM G-151	Pass	Pass
PRFSE Min (%)	ASTM G-155	30	≤35

Ref D 4637/D 6134 & tolerance as per UEATC: MOAT No 46-1988

The thickness tolerance shall be +15%,-10% of the thickness agreed upon, as mentioned in ASTM D-4637. As the product standards continue to revise, please refer to the latest applicable code for any update on the properties.

The above values are taken from specimens made under reproducible conditions. However they may differ somewhat on actual production/supply due to vulcanization conditions at the factory.

The information given here in is based on tests conducted in-house laboratory and/or independent accredited laboratories. While the information is presented as true and accurate to the best of our knowledge, Polygomma assumes no responsibility or liability with regard to the use of this information. The right to make periodic revisions of the specifications without prior notice is reserved. Many factors beyond our control can affect and influence the use and performance of our products at any particular application. Since these factors are uniquely within the users' knowledge and control, it is essential that users evaluate the product to determine its suitability for purpose. Please, ensure before using that product is suitable for the intend application. No warranty is given or implied by us as the site conditions and the skill of labour used for application is beyond our control.

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