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

Specification of Polygomma EPDM Membrane

Physical Property	Test Method	Requirement of ASTM D 6134 (Type I)	Polygomma Values 1.1 mm	Polygomma Values 1.5 mm
Colour	-	-	Black	Black
Thickness (mm)	ASTM D-412	1.016	1.1	1.50
Tensile Strength (MPa)	ASTM D-412	9-Min	9.5	9.2
Elongation Ultimate (%)	ASTM D-412	300-Min	400	350
Angular Tear (kN/m)	ASTM D-624	26.27 Min	28	27.25
Tensile Set (%)	ASTM D-412	10 Max	7	2
Brittleness Point Max °F (°C)	ASTM D-2137	-49 (-45)	No Cracks	No Cracks
Ozone Resistance	ASTM D-1149	No Cracks	No Cracks (Pass)	No cracks (Pass)
Heat Aging (670h @ 116°C)	ASTM D-573			
➢ **Tensile Strength MPa** ➢ **Elongation Ultimate (%)** ➢ **Angular Tear (kN/m)**	ASTM D-412 ASTM D-412 ASTM D-624	8.30 Min 200 Min 21.9-Min	9.25 275 23.90	8.8 217 22.60
Linear Dimensional Change (%)	ASTM D-1204	±1	-0.45	-0.33
Water Absorption at 70° for 166 hours (%)	ASTM D-471	+8,-2	+1.7	+1.6
Factory Seam Strength (kN/m)	ASTM D-816	8.8	Sheet Failure	Sheet Failure
Visual Inspection	ASTM G-151 ASTM G-155	Pass	Pass	Pass

Ref ASTM 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-6134. 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 standard width of our EPDM membrane is 1.2 meters. For EPDM membrane of widths above 1.2 meters, there shall be a factory seam at 1.2 meters, parallel to the width of the EPDM membrane.

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 regarding 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 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.