

Technical Specification of Polygomma EPDM Pond Liner

Physical Property	Test Method	Requirement of ASTM D 7465	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	10	10.1
Elongation Ultimate (%)	ASTM D-412	300-Min	460	400
Angular Tear (kN/m)	ASTM D-624	26.27 Min	33	35
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	ASTM D-412	8.30 Min	9.5	10.5
➤ Elongation Ultimate (%)	ASTM D-412	200 Min	247	327
➤ Angular Tear (kN/m)	ASTM D-624	21.9-Min	32	32.7
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 7465 & 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-7465. 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 pond liner is 1.2 meters. For EPDM pond liner of widths above 1.2 meters, there shall be a factory seam at 1.2 meters, parallel to the width of the EPDM pond liner.

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