

## Specification of Polygomma EPDM Strips

Physical Property	Test Method	Requirement of ASTM D 6134 (Type I)	Polygomma Values 1.14/1.12 mm	Polygomma Values 1.5 mm
<b>Colour</b>	-	-	Black	Black
<b>Thickness (mm)</b>	ASTM D-412	1.016	1.1	1.50
<b>Tensile Strength (MPa)</b>	ASTM D-412	9-Min	9.5	9.2
<b>Elongation Ultimate (%)</b>	ASTM D-412	300-Min	400	350
<b>Angular Tear (kN/m)</b>	ASTM D-624	26.27 Min	28	27.25
<b>Tensile Set (%)</b>	ASTM D-412	10 Max	7	2
<b>Brittleness Point Max °F (°C)</b>	ASTM D-2137	-49 (-45)	No Cracks	No Cracks
<b>Ozone Resistance</b>	ASTM D-1149	No Cracks	No Cracks (Pass)	No cracks (Pass)
<b>Heat Aging (670h @ 116°C)</b>	ASTM D-573			
➤ <b>Tensile Strength MPa</b>	ASTM D-412	8.30 Min	9.25	8.8
➤ <b>Elongation Ultimate (%)</b>	ASTM D-412	200 Min	275	217
➤ <b>Angular Tear (kN/m)</b>	ASTM D-624	21.9-Min	23.90	22.60
<b>Linear Dimensional Change (%)</b>	ASTM D-1204	±1	-0.45	-0.33
<b>Water Absorption at 70° for 166 hours (%)</b>	ASTM D-471	+8,-2	+1.7	+1.6
<b>Factory Seam Strength (kN/m)</b>	ASTM D-816	8.8	Sheet Failure	Sheet Failure
<b>Visual Inspection</b>	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.

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