

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