

Polygamma™ EPDM Waterproofing Membrane

Technical Data Sheet (TDS)

Polygamma™ EPDM waterproofing membrane manufactured using EPDM (Ethylene Propylene Diene Monomer) rubber.

Application

The application procedures of the Polygamma™ EPDM waterproofing membranes, depends on the application areas and the site conditions. Please contact the distributor or the manufacturer for the same.

Storage & Handling

The Polygamma™ EPDM waterproofing membranes should be stored in a clean area. Proper care should be taken that the membrane is not damaged/punctured during storage, handling and transportation.

Characteristics/Technical Specifications:

Technical Specifications of Polygamma™ EPDM Roofing Membrane-Grade RM				
Physical Property	Test Method	Requirement of		Polygamma™ Result
		RMA/Roof Council (USA)	ASTM Standard (Type I)	
Colour	-	Black	-	Black
Thickness (mm)	ASTM D-412	1.016	1.016	1.0 to 1.5
Tensile Strength (MPa)	ASTM D-412	9-Min	9-Min	9.90
Elongation Ultimate (%)	ASTM D-412	300-Min	300-Min	450
Angular Tear (kN/m)	ASTM D-624	26.27 Min	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)	-49 (-45)	No Cracks
Ozone Resistance/166 hrs/ 50 PPHM/40°C 50% Extension	ASTM D-1149	No Cracks	No Cracks	No Cracks (Pass)
Heat Aging (670h @ 116°C)	ASTM D-573			
➤ Tensile Strength (MPa)	ASTM D-412	6.0	8.30 Min	11.2
➤ Elongation Ultimate (%)	ASTM D-412	200 Min	200 Min	295
➤ Angular Tear (kN/m)	ASTM D-624	21.9-Min	21.9-Min	23
Linear Dimensional Change (%)	ASTM D-1204	±2	±1	+0.3
Water Absorption at 70° for 166 hours (%)	ASTM D-471	+8,-2	+8,-2	+1.7
Factory Seam Strength (kN/m)	ASTM D-816	Sheet failure or 50 lb/inch Min	8.8	Sheet Failure
Puncture Resistance (Kg)	ASTM E-154	-	32	37

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CIN : U25203MH2012PTC227401 • PAN : AAGCP4636G



Flex Cracking	BS 903 Part A10	-	-	200000 Cycles
Hardness	ASTM 2240			62±5°A
Specific Gravity	ASTM D-297			1.3
Visual Inspection	G 26	-	Pass	Pass
PRFSE Min (%)	D 518	-	30	≤35

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

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 thickness tolerance shall be +15%,-10% of the thickness agreed upon, as mentioned in ASTM D-4637.

As the ASTM Standards continue to revise, please refer to the latest applicable code for any update on the properties.

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. 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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