

**POLYGOMMA<sup>®</sup>**

*for generations and beyond...*

BUTYL WATERPROOFING MEMBRANE



AN ISO:9001 CERTIFIED COMPANY





BUTYL membrane is the most preferred choice when it comes to choosing long lasting, hassle free roofing solutions. The Polygamma waterproofing Membranes are manufactured using high grade synthetic rubber (BUTYL) compounds.

Our waterproofing membranes can be applied on the roofs to protect them from water leakages and attack of chemicals and vapors. The Polygamma Membranes are single-ply waterproofing membranes which make the surface watertight and are resistant to ozone and UV light. The Polygamma Waterproofing Membranes are easy to install and serves as best choice for a long lasting, fit and forget, waterproofing solution for Roofing as well as Terrace Gardens and Podiums.

## The Polygamma Advantage

- P Quality :** Our products confirm to **international product standards** and the manufacturing process is certified as per ISO 9001.
- P Technology :** We use the **intermesh mixing technology and cold feed roller head technology** that ensures that our membranes are compact and have a higher density compared to the ones manufactured using calendar technology.
- P Vulcanizing Technology :** Our products are cured using an '**Online Vulcanizing Mechanism**' which ensures that every square inch of our membrane is evenly cured. Since we do not use steam boilers to cure the membranes, our manufacturing process is non-polluting.
- P Economical Price :** The easy availability of manufacturing resources, and fewer overheads, helps us provide **a better price to our customers**.
- P Higher Widths :** Our products are manufactured up to a width of 6 meters with factory seams. This ensures **quick installations and fewer field overlaps**.
- P Chemical Resistance<sup>\$</sup> :** Our products are formulated to **withstand chemical and toxic service conditions**.
- P Experience :** Our group has been manufacturing various rubber products from polymers such as Hypalon\*, Butyl, EPDM, etc since the early 1960's. This rich experience and expertise is our biggest asset, and helps to **provide the world with excellent, durable and cost effective products**.

\* Hypalon is a registered trademark of E.I. DuPont de Nemours and Co. Inc.

\$ Prior check is required.

## Technical Specifications of Polygomma Butyl Waterproofing Membranes

Physical Property	Test Method	Requirement of ASTM D-6134	Polygomma Values
Colour	-	-	Black
Thickness (mm)	ASTM D-412	1.37	1.50
Tensile Strength (Mpa)	ASTM D-412	8.3-Min	8.5 to 9-Min
Elongation Ultimate (%)	ASTM D-412	300-Min	320-Min
Tear Resistance (kN/m)	ASTM D-624	26.2 Min	27.21 Min
Tensile Set (%)	ASTM D-412	10 Max	10 Max
Brittleness Point Max (°C)	ASTM D-746	-40	-40
Heat Aging (166h @ 116°C)	ASTM D-573	-	-
Tensile Strength MPa Elongation Ultimate (%) Liner Dimensional Change (%)	ASTM D-412 ASTM D-412 ASTM D-1204	6.2 Min 210 Min ±2	6.1 to 7.5 Min 216.5 Min ±2
Water Absorption Max, Mass %	ASTM D-471	2	2
Factory Seam Strength-Min (kN/m)	ASTM D-816	8.8	Liner Ruptured
Puncture Resistance (Kg)	ASTM D-154	43 Kg	48.7 Kg
Visual Inspection	-	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 Butyl Waterproofing Membrane is 1.2 meters. For Butyl Waterproofing Membrane of widths above 1.2 meters, there shall be a factory seam at 1.2 meters, parallel to the width of the Butyl Waterproofing 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.



## Polygomma Butyl Waterproofing Membrane Product Range

Thickness	Width	Length
0.80 mm (31.5 mil)	1.2 meters, 3 meters, 6 meters	30 meters
1.00 mm (40 mil)	1.2 meters, 3 meters, 6 meters	30 meters
1.14 mm (45 mil)	1.2 meters, 3 meters, 6 meters	30 meters
1.20 mm (47 mil)	1.2 meters, 3 meters, 6 meters	30 meters
1.50 mm (60 mil)	1.2 meters, 3 meters, 6 meters	30 meters
2.00 mm (80 mil)	1.2 meters, 3 meters, 6 meters	30 meters

*Special sizes can be manufactured upon request.*

## FEATURES



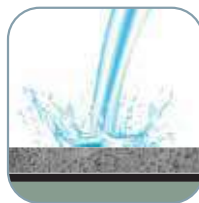
UV-RESISTANT



LONG LIFE



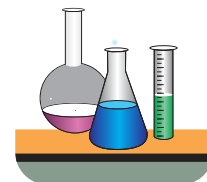
RECYCLE



WATERPROOF



ANTI-ROOT  
PENETRATION

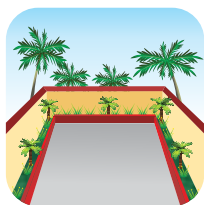


CHEMICAL /CORROSION  
RESISTANT

## APPLICATIONS



ROOFING



TERRACE GARDEN/  
PODIUM

The information indicated here is true to the best of our knowledge. However no warranty/guaranty is implied on our products as the conditions of use and the skill and quality of manpower used for installation is beyond our control.

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Manufactured by -

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