POLYGOMMA®

for generations and beyond...

BUTYL POND LINERS

AN ISO:9001 CERTIFIED COMPANY

The Polygomma Butyl Pond Liners are manufactured using high quality synthetic Butyl rubber compounds. The Polygomma Butyl pond liners are specifically designed and manufactured for use in landscape ponds, golf courses, recreational parks, artificial lakes, fish hatcheries reservoirs, water storage bodies etc. Our pond liners are formulated to be friendly to most aquatic life #.

The Pond Liners can also be used as geo-membranes and can be used as a cost effective linings system in industrial waste pits, irrigation canals to conserve water, etc. They have been manufactured to work well in conditions where they have been buried, as well as exposed for a long time.

The Polygomma Advantage

- **Quality :** Our products confirm to **international product standards** and the manufacturing process is Certified as per ISO 9001.
- **Technology :** We use the **intermesh mixing technology and cold feed roller head technology** that ensures that our pond liners are compact and have a higher density compared to the ones manufactured using calendar technology.
- **Vulcanizing Technology :** Our products are cured using an **'Online Vulcanizing Mechanism'**, which ensures that every square inch of our pond liner is evenly cured. Since we do not used steam boilers to cure the pond liners, our manufacturing process is non-polluting.
- **Economical Price :** The easy availability of manufacturing resources, and fewer overheads, helps us provide **a better price to our customers**.
- **Higher Widths :** Our products are manufactured up to a width of 6 meters with factory seam. This ensures **quick installations and fewer field overlaps**.
- **Chemical Resistance $:** Our products are formulated to **withstand chemical and toxic service conditions**.
- **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**.

It is recommended to test our pond liner for a specific purpose/aquatic species as per the rules and regulation of local governing authorities.

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

$ Prior check is required.

Technical Specifications of Polygomma Butyl Pond Liners

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 pond liner is 1.2 meters. For Butyl pond liner of widths above 1.2 meters, there shall be a factory seam at 1.2 meters, parallel to the width of the Butyl pond liner.

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 Pond Liners 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

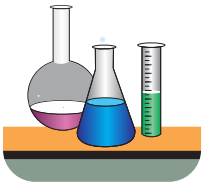

UV-RESISTANT

LONG LIFE


RECYCLE


WATERPROOF


ANTI-ROOT PENETRATION


CHEMICAL /CORROSION RESISTANT

APPLICATIONS


RESERVOIRS


ARTIFICIAL LAKE


FISH HATCHERIES


WATERFALLS


CANALS


INDUSTRIAL WASTE PITS

POLYGOMMA®

for generations and beyond...

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