

| Technical Specifications of Polygomma™ EPDM Pond Liners-Grade PL | | | |
|---|--------------------|--|--------------------------|
| Physical Property | Test Method | Requirement of ASTM Standard (Type I) | Polygomma™ Result |
| Colour | | - | Black |
| Thickness (mm) | ASTM D-412 | 1.016 | - |
| Tensile Strength (MPa) | ASTM D-412 | 9-Min | 9.90 |
| Elongation Ultimate (%) | ASTM D-412 | 300-Min | 450 |
| Angular Tear (kN/m) | ASTM D-624 | 26.27 Min | 37 |
| Puncture Resistance (Kg) | ASTM D-4833 | 32 | 37 |
| Temperature Resistant(°C) | - | - | -40 to +160 |
| Brittleness Point Max °F (°C) | ASTM D 2137 | -49 (-45) | No Cracks |
| Ozone Resistance/166 Hrs/50 PPHM/40°C 50% Extension | ASTM D-1149 | No Cracks | No Cracks |
| Heat Aging (670 h @ 116°C) | ASTM D-573 | | |
| ➤ Tensile Strength (MPa) | ASTM D-412 | 8.30 Min | 11.2 |
| ➤ Elongation Ultimate (%) | ASTM D-412 | 200 Min | 295 |
| ➤ Angular Tear (kN/m) | ASTM D-624 | 21.9-Min | 23 |
| Liner Dimensional Change at 116° for 16 Hours (%) | ASTM D-1204 | ±1 | +0.3 |
| Water Absorption at 70°C for 166 hrs | ASTM D-471 | +8, - 2 | +1.7 |
| Accelerated Aging Xenon ARC | ASTM G-151/G-155 | Pass | Pass |
| Factory Seam Strength (kN/m) | ASTM-D 816 | Sheet Rupture or 8.8 | Sheet Rupture |
| Hardness | ASTM 2240 | - | 69±5°A |
| Specific Gravity | ASTM D-297 | - | 1.25 |

Ref D 7465 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. Since 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 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. Many factors beyond our control can affect and influence the use and performance of our products at any particular 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. It is strongly recommended that the user should test the EPDM pond liner for toxicity for all service conditions to ensure the EPDM pond liner meets their requirements and expectations.

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