

PRODUCT SPECIFICATIONS

White HDPE Smooth Geomembrane

30, 40, 60, 80 and 100 mil

| PROPERTY | TEST | FREQUENCY | UNIT | VALUE – 30 mil | VALUE – 40 mil | VALUE – 60 mil | VALUE – 80 mil | VALUE – 100 mil |
|---------------------------|-------------|-----------------|----------------------------|-------------------|-------------------|-------------------|-------------------|--------------------|
| Thickness (min. avg.) | ASTM D-5199 | per roll | mm (in) | 0.75 (0.03) | 1.0 (0.04) | 1.5 (0.06) | 2.0 (0.08) | 2.5 (0.10) |
| Sheet Density | ASTM D-1505 | every 10 rolls | g/cc (lb/in ³) | 0.940 (0.034) | 0.940 (0.034) | 0.940 (0.034) | 0.940 (0.034) | 0.940 (0.034) |
| Carbon Black Content | ASTM D-4218 | every 2 rolls | % | 2.0 - 3.0 | 2.0 - 3.0 | 2.0 - 3.0 | 2.0 - 3.0 | 2.0 - 3.0 |
| Tensile Strength at Break | ASTM D-6693 | every 2 rolls | kN/m (lb/in) | 21 (120) | 28 (160) | 42 (240) | 57 (325) | 67 (382) |
| Elongation at Break | ASTM D-6693 | every 2 rolls | % | 700 | 700 | 700 | 700 | 700 |
| Tear Resistance | ASTM D-1004 | every 5 rolls | N (lb) | 93 (21) | 125 (28) | 187 (42) | 253 (57) | 311 (70) |
| Puncture Resistance | ASTM D-4833 | every 5 rolls | N (lb) | 265 (60) | 355 (80) | 540 (121) | 695 (156) | 800 (180) |
| Oven Aging (HP-OIT) | ASTM D-5885 | per formulation | % | 80 | 80 | 80 | 80 | 80 |
| UV Resistance (HP-OIT) | ASTM D-5885 | per formulation | % | 50 | 50 | 50 | 50 | 50 |

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