



HUTEX VX Series- Textured Very Flexible Polyethylene Geomembrane Specification Sheet

Metric Units

| | | Minimum Values | | | | |
|-------------------------------------|---|-----------------|-------|-------|-------|-------|
| Property | Test Method | VX075 | VX100 | VX150 | VX200 | VX250 |
| Thickness, mm | ASTM D5199 | | | | | |
| Minimum Average Values | | 0.75 | 1.00 | 1.50 | 2.00 | 2.50 |
| Lowest Individual Reading | | 0.64 | 0.85 | 1.28 | 1.70 | 2.30 |
| Asperity Height, mm | GRI GM12 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 |
| Density, g/cm ³ | ASTM 1505/D792 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 |
| Tensile Properties (each direction) | ASTM D6693 Type IV specimen @ 50 mm/min | | | | | |
| 1. Strength at Break, kN/m width | | 9 | 11 | 16 | 21 | 26 |
| 2. Elongation at Break, % | G.L. 51 mm | 250 | 250 | 250 | 250 | 250 |
| Tear Resistance, N | ASTM D1004 | 70 | 100 | 150 | 200 | 250 |
| Puncture Resistance, N | ASTM D4833 | 150 | 200 | 300 | 400 | 500 |
| Carbon Black Content, % | ASTM D1603 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| Carbon Black Dispersion | ASTM D5596 | Cat.2 | Cat.2 | Cat.2 | Cat.2 | Cat.2 |
| Oxidative Induction Time, min | ASTM D 3895 (200 ; O ₂ , 1 atm) | 100 | 100 | 100 | 100 | 100 |
| | | Nominal Values | | | | |
| Melt Index, g/10 min | ASTM D1238 (190 , 2.16kg) | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| 2% Modulus, kN/m | ASTM D5323 | 370 | 420 | 630 | 840 | 1050 |
| Axi-Symmetric Break Strain, % | ASTM D5617 | 56 | 56 | 56 | 56 | 56 |
| Tear Resistance, N | ASTM D1004 | 73 | 112 | 164 | 219 | 264 |
| Dimensional Stability, % | ASTM D1204 (100 ; 1 hour) | ± 1 | ± 1 | ± 1 | ± 1 | ± 1 |
| Low Temperature Brittleness, | ASTM D746 | < -77 | < -77 | < -77 | < -77 | < -77 |
| | | Roll Dimensions | | | | |
| Width, m | | 7 | 7 | 7 | 7 | 7 |
| Length, m | | 198 | 152 | 128 | 98 | 76 |
| Area, m ² | | 1386 | 1064 | 896 | 686 | 532 |
| Net Weight, kg (Approx.) | | 990 | 1010 | 1276 | 1303 | 1263 |
| 40' container, rolls | | 12 | 12 | 12 | 12 | 12 |

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(Version 1; August, 2003)

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