

TECHNICAL DATA SHEET

HUITEX LLDPE DOUBLE SIDE TEXTURED GEOMEMBRANE – ENHANCED GM17

| Properties | Test Method | VX100 | VX150 | VX200 | VX250 |
|-------------------------------------|------------------|---------|---------|---------|---------|
| Thickness, mm (1) Average values | ASTM D5994 | 0.95 | 1.43 | 1.90 | 2.38 |
| Asperity Height (2) | ASTM D7466 | 0.40 | 0.40 | 0.40 | 0.40 |
| Sheet density, g/cm ³ | ASTM D792 | 0.939 | 0.939 | 0.939 | 0.939 |
| Melt Index, 190/2.16, g/10min | ASTM D1238 | <1 | <1 | <1 | <1 |
| Tensile Properties: ⁽¹⁾ | ASTM D6693 | | | | |
| 1.Strength at Break, kN/m | Type IV specimen | 11 | 16 | 21 | 26 |
| 2Elongation at Break, % | @ 50 mm/min | 250 | 250 | 250 | 250 |
| Tear Resistance, N | ASTM D1004 | 100 | 150 | 200 | 250 |
| Puncture Resistance, N | ASTM D4833 | 200 | 300 | 400 | 500 |
| Carbon Black Content, % | ASTM D4218 | 2-3 | 2-3 | 2-3 | 2-3 |
| Carbon Black Dispersion | ASTM D5596 | note(2) | note(2) | note(2) | note(2) |
| Oxidative Induction Time, mins | ASTM D3895 | 100 | 100 | 100 | 100 |
| Oven Aging at 85°C | ASTM D5721 | | | | |
| Standard OIT, % | ASTM D3895 | 35 | 35 | 35 | 35 |
| High Pressure OIT, % | ASTM D5885 | 60 | 60 | 60 | 60 |
| UV resistance | ASTM D7238 | | | | |
| High Pressure OIT, % | ASTM D5885 | 35 | 35 | 35 | 35 |
| 2% Modulus (max), KN/m | ASTM D5323 | 420 | 630 | 840 | 1050 |
| Axi-symmetric break strain,% | ASTM D5617 | 30 | 30 | 30 | 30 |
| Roll Width, m | | 7 | 7 | 7 | 7 |
| Roll Length, m | | 170 | 128 | 98 | 76 |
| Roll Area, m ² | | 1190 | 896 | 686 | 532 |

NOTES:

(*) All values are Minimum average value unless otherwise specified.

(1). Machine direction (MD) and cross machine direction (XMD) average values should be on basis of 5 test specimens each direction.

Break elongation is calculated using a gauge length of 50 mm.

(2). Carbon black dispersion for 10 different views: all 10 in Categories 1 or 2.

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