

TerraGrid® SX3030

| Property | Test Method | English | Metric |
|---|------------------|----------------------|--------------------|
| GEOMETRIC ^{1 12} | | | |
| Aperture Size | Measured | 1.3 x 1.3 in | 33 x 33 mm |
| Rib Depth | Measured | 0.09 x 0.06 in | 2.3 x 1.5 mm |
| Aperture Shape | Observed | Square | Square |
| Aperture Open Area | Measured | 73 % | 73 % |
| Rib Shape | Observed | Rectangular | Rectangular |
| MECHANICAL ^{2 3 12} | | | |
| Tensile Strength (Ultimate) | ASTM D6637 | 2,055 x 2,055 lbs/ft | 30.0 x 30.0 kN/m |
| Tensile Load @ 2% Strain | ASTM D6637 | 720 x 720 lbs/ft | 10.5 x 10.5 kN/m |
| Tensile Load @ 5% Strain | ASTM D6637 | 1,440 x 1,440 lbs/ft | 21.0 x 21.0 kN/m |
| Junction Efficiency ^{4 5} | ASTM D7737 | 93 % | 93 % |
| Flexural Rigidity ⁶ | ASTM D7748 | 2,000,000 mg-cm | 2,000,000 mg-cm |
| Aperture Stability ⁷ | ASTM D7864 | 0.75 m-N/deg | 0.75 m-N/deg |
| DURABILITY ^{1 12} | | | |
| UV Degradation Resistance ^{8 10} | ASTM D4355 | 100 % | 100 % |
| Carbon Black Content | ASTM D1603 | 2.0 % | 2.0 % |
| Chemical Damage Resistance ^{9 10 12} | EPA 9090A | 100 % | 100 % |
| Installation Damage Resistance ^{10 11} | ASTM D5818/D6637 | SC-95/SW-95/GP-90 | SC-95/SW-95/GP-90 |
| STANDARD PACKAGING ^{1 12} | | | |
| Width | | 12.5 ft | 3.81 m |
| Length | | 164 ft | 50 m |
| Area | | 228 SY | 191 m ² |

1. All geometric properties are nominal values and may vary.
2. All mechanical properties are based on the manufacturer's laboratory test results at 21±1°C.
3. Unless indicated otherwise, values shown are minimum average roll values determined in accordance with ASTM D4759.
4. Expressed as a comparison of ASTM D7737 strength to ASTM D6637 strength of the same sample.
5. ASTM D7737 performed at 10% per minute strain rate.
6. Using specimens 2 ribs wide with ribs transverse to the specimen cut flush with the exterior edges of the ribs in the direction of the specimen.
7. Resistance to in-plane rotational moment of 20 kg-cm.
8. 500 hour exposure.
9. 120 day immersion testing.
10. Expressed as a percentage of Ultimate Tensile Strength.
11. Silty Sand (SM), Graded Aggregate Base (GP-GM), and AASHTO NO.57 (GP)
12. Hanes Geo reserves the right to change this specification at any time. The user is responsible to verify/use/reference the latest Product Data Sheet.

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