



AmTec Woven Silt Fence Fabric Series

AmTec Woven Silt Fence Fabric Series is a Woven Silt Fence Fabric, manufactured and supplied by Shri Ambica Polymer Pvt. Ltd. and will meet the following values when tested in accordance with the ASTM test methods listed below, unless otherwise stated.

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| SAPPL |
| RD-0860-QCD-06 |
| REV NO: -00 |

| PROPERTIES (Test Methods) | Units (English) | MINIMUM AVERAGE ROLL VALUE ² (MD CMD) | | | | |
|---|-------------------------|--|-----------|-----------|-----------|-----------|
| | | SF 55W | SF 70W | SF 100W | SF Type A | SF Type C |
| MECHANICAL | | | | | | |
| Grab Tensile Strength (ASTM D4632) | Lbf | 68 68 | 100 100 | 140 140 | 120 100 | 260 180 |
| Grab Elongation (ASTM D4632) | % | 15 15 | 15 15 | 15 15 | 40 40 | 40 40 |
| Trapezoidal Tear Strength (ASTM D4533) | Lbf | 36 36 | 50 50 | 65 65 | - | - |
| Static Puncture Strength (ASTM D6241) | Lbf | 230 | 300 | 400 | - | - |
| Brust Strength (ASTM D6241) | psi | - | - | - | 175 | 175 |
| ENDURANCE | | | | | | |
| UV Stability @ 500HR (ASTM D4355) | % | 70 | 90 | 90 | 80 | 80 |
| HYDRAULIC | | | | | | |
| Permittivity (ASTM D4491) | s-1 | 0.05 | 0.1 | 0.05 | - | - |
| Water Flow Rate (ASTM D4491) | gal/min/ft ² | 5 | 8 | 8 | 25 | 70 |
| Opening Size O95 (A.O.S.) (ASTM D4751) | U.S. Sieve | 30 | 30 | 30 | 30 | 30 |
| PHYSICAL | | | | | | |
| Width | ft | 3,4 | 3,4 | 3,4 | 3 | 3 |
| Length | ft | 9900 | 9900 | 9900 | 3000 | 1980 |



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| Properties (Test Methods) | Units (Metric) | Minimum Average Roll Value (MD CMD) | | |
|--|-----------------------|-------------------------------------|------------------------------|------------------------------|
| | | SF 80W - Economy | SF 100W - Standard | SF 105W - Premium |
| Mechanical | | | | |
| Mass per Unit | g/m ² | 80 | 100 | 105 |
| Wide Width Tensile Strength As 3706.2 | kN/m | 15 12 | - | - |
| Grab Tensile Strength AS 3706.2 | N | 550 450 | - | - |
| Elongation AS 3706.2 | % | 17 17 | - | - |
| Trapezoidal Tear Strength AS 3706.3 | N | 200 200 | - | - |
| CBR Puncture Strength AS 3706.4 | N | 2000 | - | - |
| Water Permeability As 3706.9 | l/m ² /sec | 10 | 15 | - |
| Apparent Opening Size AS 3706.9 | mm | 0.25 | 0.22 | - |
| Endurance | | | | |
| UV Resistance ASTM D4355 | % Retained | 80 % - 500 hrs | UV Stabilised | UV Stabilised |
| Standard Packaging | | | | |
| Roll Length | m | 100 | 100 | 100 |
| Roll Width | mm | 860 | 860 | 750 |
| Colour | | Black / Green | Green / Green | Black / Green |
| Material | | Woven Polypropylene | Woven Polypropylene | Woven Polypropylene |
| Selvedge | | Non-Fray Woven Selvedge's | Non-Fray Woven Selvedge's | Non-Fray Woven Selvedge's |



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| PROPERTIES (Test Methods) | Units (Metric) | MINIMUM AVERAGE ROLL VALUE ² (MD CMD) | | | | |
|---|---------------------|--|-----------|-----------|-----------|------------|
| | | SF 55W | SF 70W | SF 100W | SF Type A | SF Type C |
| MECHANICAL | | | | | | |
| Grab Tensile Strength (ASTM D4632) | N | 302 302 | 445 445 | 623 623 | 534 445 | 1157 801 |
| Grab Elongation (ASTM D4632) | % | 15 15 | 15 15 | 15 15 | 40 40 | 40 40 |
| Trapezoidal Tear Strength (ASTM D4533) | N | 160 160 | 224 224 | 289 289 | - | - |
| Static Puncture Strength (ASTM D6241) | N | 1023 | 1334 | 1779 | - | - |
| Brust Strength (ASTM D6241) | psi | | - | - | 1207 | 1207 |
| ENDURANCE | | | | | | |
| UV Stability @ 500HR (ASTM D4355) | % | 70 | 90 | 90 | 80 | 80 |
| HYDRAULIC | | | | | | |
| Permittivity (ASTM D4491) | s ⁻¹ | 0.05 | 0.1 | 0.05 | - | - |
| Water Flow Rate (ASTM D4491) | l/m ² .s | 3 | 5 | 5 | 17 | 47 |
| Opening Size O95 (A.O.S.) (ASTM D4751) | mm | 0.6 | 0.6 | 0.6 | 30 | 30 |
| ROLL DIMENSIONS | | | | | | |
| Width | Inch | 24/36/42 | 36/42 | 36/42 | 36 | 36 |

Note :

- 1.As a part of continual improvement process Shri Ambica Polymer Pvt. Ltd reserves the right to change the properties listed on this data sheet without prior notice.
- 2.This data sheet supersedes any other previous issued data sheet.
- 3.Values shown are in the weaker principal direction. Minimum average roll values (MARV) are calculated as the typical minus two standard deviations.Statistically, it yields a 97.7% degree of confidence that any samples taken from quality assurance testing will exceed the value reported.
- 4.These figures related to standard products weights and roll sizes. Other weights, sizes and colors may be available on request.
- 5.Damage caused due to improper handling or storage will not be covered under any warranty.

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