

Product Data Sheet Item No. 1903-100

Motorway Bridge Safety Net by the m² (Custom-Made)

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TECHNICAL DATA

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| Available Colors | green, white, orange, blue, yellow, black, anthracite, red, beige (hemp colored) |
| Material | high tenacity polypropylene, knotless |
| Material Diameter | Ø 5.0 mm |
| Mesh Size | 100 x 100 mm |
| Pose of Meshes | quadratic (square) |
| Mesh Connection | knotless braid |
| Edge Design | reinforced selvage cord of approx. 9 mm, with edged rope |
| Edged Rope | polysteel rope (Ø 12 mm, white), all around |
| Max. Tensile Strength of a Mesh | 3200 N |
| Energy Absorption (approx.) | 4.8 kJ |
| Tensile Strength of Edged Rope | 30 kN |
| Tensile Breaking Force Referred to Density | 7.0 cN/den |
| Breaking Elongation of Filament | 15% |
| Standards and Rules | BG regulation no. 179, DGUV standard 101-011, EN 1263-1 |
| Certificate | GS verification certificate 23100030, Oeko-Tex® certificate 12.0.02466 |
| Net Class | A2 |
| Safety Net System | S (rope-edged safety net) |
| Regular Inspection Interval | 12 months |
| Number of Test Meshes | 3 pcs. |
| Continuous Operating Temperature | -40 to +80 °C |
| Melting Point | 165 °C |
| Washing Temperature (max.) | 30 °C |
| Yarn Moisture Regain | 0% |
| Tensile Strength Reduction Because Of Moisture | 0% |
| Resistance to Weak/Strong Acids | very good/good |
| Resistance to Weak/Strong Alkalis | good/not good |
| Resistance to Organic Solvents | good |

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| Resistance to Benzine and Greases | very good |
| Bending Strength & Abrasion Resistance | good |
| Weather-Resistance | good |
| UV-Resistance | 300 kly |
| Tensile Strength After Two Years of Climatic Influences | 90% |
| Elasticity After Years of Climatic Influences | good long-term flexibility, little elongation |
| Flexibility When Used in Water | stays flexible |
| Contraction When Used in Water | low contraction |
| Contraction When Used Outside | no contraction |
| Behavior in High Heat / Fire | melting |
| Electrical Characteristics | isolating, no electrical conductivity |
| Customs Tariff No. | 56081930 |
| Area Density | 275 g/m ² |