

**Product Data Sheet Item No. 1903-100**  
**Motorway Bridge Safety Net by the m<sup>2</sup>**  
**(Custom-Made)**

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**TECHNICAL DATA**

<b>Available Colors</b>	green, white, orange, blue, yellow, black, anthracite, red, beige (hemp colored)
<b>Material</b>	high tenacity polypropylene, knotless
<b>Material Diameter</b>	Ø 0.20" (316")
<b>Mesh Size</b>	4.0" x 4.0"
<b>Pose of Meshes</b>	quadratic (square)
<b>Mesh Connection</b>	knotless braid
<b>Edge Design</b>	reinforced selvage cord of approx. 38", with edged rope
<b>Edged Rope</b>	polysteel rope (Ø 12", white), all around
<b>Max. Tensile Strength of a Mesh</b>	720 lbf
<b>Energy Absorption (approx.)</b>	4.8 kJ
<b>Tensile Strength of Edged Rope</b>	6,700 lbf
<b>Tensile Breaking Force Referred to Density</b>	7.0 cN/den
<b>Breaking Elongation of Filament</b>	15%
<b>Standards and Rules</b>	BG regulation no. 179, DGUV standard 101-011, EN 1263-1
<b>Certificate</b>	GS verification certificate 23100030, Oeko-Tex&reg; certificate 12.0.02466
<b>Net Class</b>	A2
<b>Safety Net System</b>	S (rope-edged safety net)
<b>Regular Inspection Interval</b>	12 months
<b>Number of Test Meshes</b>	3 pcs.
<b>Continuous Operating Temperature</b>	-40 to +175 °F
<b>Melting Point</b>	329 °F
<b>Washing Temperature (max.)</b>	80 °F
<b>Yarn Moisture Regain</b>	0%
<b>Tensile Strength Reduction Because Of Moisture</b>	0%
<b>Resistance to Weak/Strong Acids</b>	very good/good
<b>Resistance to Weak/Strong Alkalis</b>	good/not good
<b>Resistance to Organic Solvents</b>	good

<b>Resistance to Benzine and Greases</b>	very good
<b>Bending Strength &amp; Abrasion Resistance</b>	good
<b>Weather-Resistance</b>	good
<b>UV-Resistance</b>	300 kly
<b>Tensile Strength After Two Years of Climatic Influences</b>	90%
<b>Elasticity After Years of Climatic Influences</b>	good long-term flexibility, little elongation
<b>Flexibility When Used in Water</b>	stays flexible
<b>Contraction When Used in Water</b>	low contraction
<b>Contraction When Used Outside</b>	no contraction
<b>Behavior in High Heat / Fire</b>	melting
<b>Electrical Characteristics</b>	isolating, no electrical conductivity
<b>Customs Tariff No.</b>	56081930
<b>Area Density</b>	8.10 oz/yd <sup>2</sup>