

# 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

Available Colors	green, white, orange, blue, yellow, black, anthracite, red, beige (hemp colored)
Material	high tenacity polypropylene, knotless
Material Diameter	Ø 0.20" (316")
Mesh Size	4.0" x 4.0"
Pose of Meshes	quadratic (square)
Mesh Connection	knotless braid
Edge Design	reinforced selvage cord of approx. 38", with edged rope
Edged Rope	polysteel rope (Ø 12", white), all around
Max. Tensile Strength of a Mesh	720 lbf
Energy Absorption (approx.)	4.8 kJ
Tensile Strength of Edged Rope	6,700 lbf
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 +175 °F
Melting Point	329 °F
Washing Temperature (max.)	80 °F
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

<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>