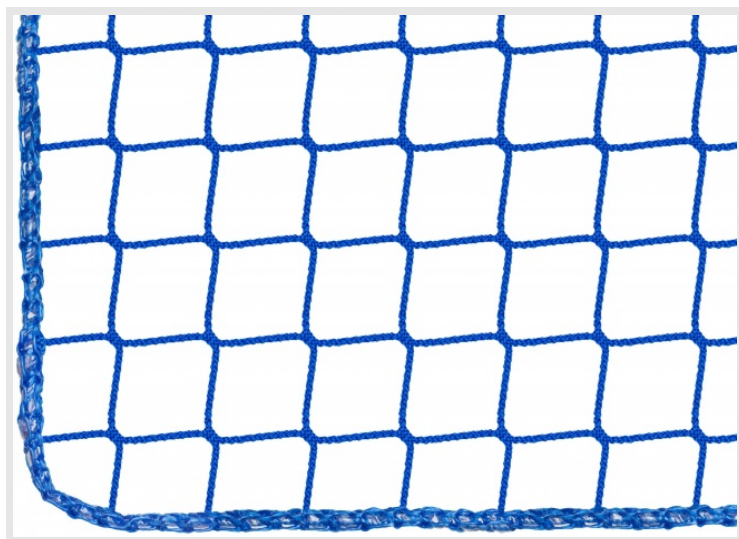


**Product Data Sheet Item No. 209F045**  
**Flame-Retardant Safety Net by the m<sup>2</sup>**  
**(Custom-Made)**

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**TECHNICAL DATA**

<b>Available Colors</b>	green, white, blue, black
<b>Material</b>	high tenacity polypropylene, knotless, flame-retardant
<b>Material Diameter</b>	Ø 3.0 mm
<b>Mesh Size</b>	45 x 45 mm
<b>Pose of Meshs</b>	quadratic (square)
<b>Mesh Connection</b>	knotless braid
<b>Edge Design</b>	reinforced selvage cord of approx. 7 mm
<b>Max. Tensile Strength of a Mesh</b>	1250 N
<b>Tensile Breaking Force Referred to Density</b>	7.0 cN/den
<b>Breaking Elongation of Filament</b>	15%
<b>Standards and Rules</b>	EN 13501-1 (flame-retarding), classification B-s1 d2, DIN 4102 (B1, flame-retarding)
<b>Certificate</b>	MPA-Bau certification report P-NDS04-851, Oeko-Tex&reg; certificate 12.0.02466
<b>Continuous Operating Temperature</b>	-40 to +80 °C
<b>Melting Point</b>	165 °C
<b>Washing Temperature (max.)</b>	30 °C
<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>	165 g/m <sup>2</sup>