

Specifications	Requirement	Range	Test standards	
<b>Material</b>	Fabrication	Warp knitted	ISO 8388	
	Fabric	100% polyethylene	ISO 1833	
	Yarn size	115 denier (0,13 mm), monofilament	108 - 122 denier	ISO 2060 (Dupro)
	Mesh	136 (holes per inch <sup>2</sup> , 21 holes per cm <sup>2</sup> ) 200 (holes per inch <sup>2</sup> , 36 holes per cm <sup>2</sup> )	+/- 5%	No ISO standard available
	Weight	136 mesh: 38 g/sqm 200 mesh: 44 g/sqm	+/- 10%	ISO 3801
	Dimensional stability	Max. +/- 5% in both directions	30° - +/-5% (8A) 40° - +/-10% (6A)	ISO 6330 ISO 3759 (8A and 6A)
	Dimensional tolerance	Max. +/- 5% in both directions	+/- 5%	
	Bursting strength	136 mesh: 400 Kpa 200 mesh: 500 Kpa	minimum minimum	ISO 13938
	Colors	Standard in white, light/dark green & light/dark blue (other colors available upon request)		
<b>Flammability</b>	Fire safety	No requirement WHOPES	EN 1102	
		No requirement WHOPES	Class 1 16 CFR part 1610	
<b>Heat setting</b>	Fabric is heat set to prevent shrinkage after washing	See under "Dimensional stability" above		
<b>Technology</b>	LLIN	The insecticide is incorporated in the PE yarns. Most of the insecticide is inside the yarn, where it is protected against external factors like sunlight. Through a controlled release system the insecticide migrates to the surface.		
<b>Active ingredient</b>	Deltamethrine concentration	136 mesh: 1,8 g/kg, equal to 68 mg/m <sup>2</sup> 200 mesh: 1,8 g/kg, equal to 79 mg/m <sup>2</sup>	+/- 25% <u>WHOPES approved insecticides - <a href="http://www.who.int/ctd/whopes">www.who.int/ctd/whopes</a></u>	
<b>Insecticidal effect</b>	Bioassay	80% mortality and 95% KD60	WHO standard test cones	
<b>Packing</b>	Each net is packed individually in a plastic bag			

Glossary of term	Description
<b>Warp knitted</b>	Warp knitting is a knitting method, which effects the yarn cannot ravel. The yarn zigzags along the length of the fabric.
<b>Polyethylene</b>	Polyethylene is a plast type of which the yarns are formed.
<b>Denier</b>	Indirect measure for thickness of yarns. The no. indicates the weight of kg. per yarn per 9.000 kg. Cannot be compared to denier for polyester since the specific weight of polyester is 1,36, whereas the specific weight of polyethylene is 0,96. For same denier, a polyethylene yarn is therefore much thicker.
<b>Mesh</b>	Indicates the density of the net structure. The higher the no. the more dense is the structure. The no. is stated as holes per cm <sup>2</sup> or inches <sup>2</sup> .
<b>Dimensional stability</b>	Indicates the stability of the fabric to washing. If the no. is negative, it means that the fabric shrinks during washing.
<b>Dimensional tolerance</b>	Indicates the maximum level of variation of the dimension of the net.
<b>Bursting strength</b>	Is strenght required to break the fabric. The test is performed under conditions spedified by ISO 2960.