

Mosquito net, 1.90x1.50x1.80m, LLIN, PE

Overview

Specifications	
Item code	3500000025
Unit weight	800g

Following WHO recommendation, only Long Lasting Insecticidal Nets (LLIN's), which require no further treatment during their expected life span (of average 3 to 5 years according the use, type and fabric origin), should be purchased. LLIN's allow for better and effective protection against mosquitoes and other insects and have to be considered as part of an overall strategy related to malaria control, as impregnated nets decrease morbidity from between 50%-70%. There are different types of netting material (polyester, polyethylene, and polypropylene). The most commonly used for LLIN, and for which WHO recommendations have been developed, are polyester (PES) and polyethylene (PE).

In the WHO position statement document for [Insecticide Treated Mosquito Nets](#), the WHO recommends a move away from polyester made nets.

All shipping volumes indicated are approximate, as they depend on number of nets per bales. WHO Pesticide Evaluation Scheme approved LLIN on: www.who.int/whopes/en.

It is important to keep in mind that "LLIN" does not mean "WHO approved". Many wholesalers propose LLIN's which are not WHO approved, and should not be supplied.

Description

Pre-treated long lasting impregnated mosquito net (LLIN), must be WHO/WHOPES approved (full or interim). More information at www.who.int/whopes/en.

Mosquito Net - LLIN, PE, 190x150x180cm

Fabric weight	30 gram per square meter +10%
Enhanced durability	21 + washes
Flammability test	Class 1 (16-CFR 1610CS191-53)
Size	190cm width x150cm height x180cm length
Denier	Polyester: 100 Polyethylene: 150
Suspension points	6 point loops made
Colour	White
Materials	Manufactured from 100% high density polyethylene OR polyester.
Mesh size	Minimum 130 holes per inch ²
Packing	<p>Bale strapped with 1 straps for the length and 3 for the cross. The strapping must not damage the mosquito nets neither their individual packaging.</p> <p>Mosquito nets covered with a polypropylene woven bag (no holes or tears).</p> <p>The packing must guaranty that the mosquito nets are arranged in line side by side.</p> <p>50 mosquito nets per bale.</p>

Key Considerations

Acceptable Quality Limits (AQL)



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AQL Definitions, penalties, **Corrective Action** **Plan and Quality Control rules.**

IOMQC-AQLS00V8
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Nonconformities classification: Critical: C; Major: M; Minor: m

Definitions:

Critical nonconformity : Any discrepancy which might harm an user or makes it impossible to use the product properly is considered to be critical. Lots with Critical discrepancy are subject to refusal.

Major nonconformity : Any discrepancy which makes the use of the product less efficient than expected is considered to be major. Lots with Major discrepancies can be accepted.

Minor nonconformity : Any discrepancy which does not have an influence on the performance of the product is considered to be minor. Lots with Minor discrepancies can be accepted.

Non-Conformities classification and related penalties:

Corrective action plan must be implemented by the vendor on its processes, addressing root causes of occurrence (production) and of non-detection of the nonconformity (QC).

Critical: (AQL 0)

Nonconforming characteristic (number of nonconforming items \geq Rejection number. ISO-2859-1) implies a penalty of 10% of the value of the total PO per each critical non-conformity to be charged to the supplier. Determination of lot acceptability is to be decided by IOM.

Major: (AQL 4.0)

Nonconforming characteristic (number of nonconforming items \geq Rejection number. ISO-2859-1) implies 0.5% penalty of the value of the total PO per each major non-conformity to be charged to the supplier. Determination of lot acceptability is to be decided by IOM.

Minor: (AQL 6.5)

Nonconforming characteristic (number of nonconforming items \geq Rejection number. ISO-2859-1) implies implies 0.25% penalty of the value of the total PO per each minor non-conformity to be charged to the supplier. Determination of lot acceptability is to be decided by IOM.

Quality Control and Acceptance Quality Level

- The AQLs herein are after IFRC/ICRC with additional parameters on IOM markings and required packaging.

- The Method of testing is drawn from ISO-2859-1 International Standards (table1: Sample size code letters, and table 2-A: Single sampling plans for normal inspection). The samples will be taken randomly by the buyer from the delivered items and then inspected.

- The buyer can decide either to inspect the lot at IOM QC laboratory or to use an inspection company for analysis, or both. Transport to laboratory and analysis cost for lab testing are at expense of IOM.

- The vendor can contest the results of the Quality Control done at IOM warehouses by requesting a lab testing. In this case transport to laboratory and analysis cost for lab testing are at expense of the seller.

- **Nonconformity**: non-fulfilment of a specified characteristic requirement.

- **Nonconforming item**: item with one or more nonconformities.

- **Lot**: definite amount of some product, material or service, collected together.

- **Sample**: set of one or more items taken from a lot and intended to provide information on the lot.

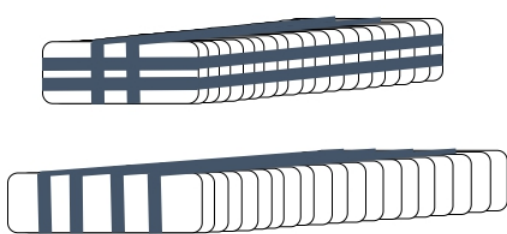


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AQL Mosquito nets Specifications and Quality Control

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Nonconformities classification: Critical: **C**; Major: **M**; Minor: **m**

Items	Characteristics	Nonconformities classification	QC type	AQL	QC Inspection at IOM warehouses and lab testing
Required Quality Document		M	Ok/Nok	4	There must be Certificate of Analysis (COA) per batch number. It should cover all technical requirements of the material, Denier, Bursting Strength as per AQL plus active ingredient (Deltameterin :MINI 1.55 g/kg)
Bales	Marking on the bale	m	Ok/Nok	6.5	Marking expected: IOM + 50 Mosquito nets + Size + PO number. No logo of the supplier allowed. Country of origin upon request.
	Bale strapping	m	Ok/Nok	6.5	4 straps in the <u>length</u> (4 parallel or 2x2 crossed as per drawing), with cardboard on both ends of the bale to protect the product. The strapping must not damage the mosquito nets neither their individual packaging. <u>Not to use metal clip for strapping.</u> OR 
	Bale quality	m	Ok/Nok	6.5	Mosquito nets covered with a polypropylene woven bag (no holes or tears).
	Packing	m	Ok/Nok	6.5	The packing must guaranty that the mosquito nets are arranged in line side by side as per drawing.
	Content	m	Ok/Nok	6.5	50 mosquito nets per bale.
Mosquito nets	Material	C	Ok/Nok	0	Manufactured from 100% high density polyethylene OR polyester. Mosquito nets Long Lasting Insecticidal Nets (LLIN's) WHO approved.
	Denier	M	Measurement	4.0	Polyester :100 +/-5% in accordance with ISO 2060 Polyethylene :150 +/-5% in accordance with ISO 2060
	Bursting strength	M	Measurement	4.0	Polyester :100 D Min 350 kPa in accordance with ISO 13938-2 Polyethylene :150 D Min 350 kPa in accordance with ISO 13938-2
	Width	m	Measurement	6.5	1900mm +/-5% (1805 mm Minimum)
	Length	m	Measurement	6.5	1800 mm +/-5% (means 1710 mm Minimum)
	Height	m	Measurement	6.5	1500 mm +/-5% (means 1425 mm Minimum)
	Mesh size	M	Measurement	4.0	Minimum 130 holes per inch ²
	Colour	m	Ok/Nok	6.5	White or Blue
	Packaging	m	Ok/Nok	6.5	Individual packaging.
	Shape	m	Ok/Nok	6.5	Rectangular shape with 6 hangers minimum.
General quality		M	Ok/Nok	4.0	No holes, tears and sharp edges, clean finishing.

Contacts

For further information, contact sheltersupport@iom.int.

References and Tools

- [Mosquito Net, 1.90x1.50x1.80m, LLIN, PE AQL](#)

Other Entries in this Topic

- [Logistics Emergency Catalogue](#)

Document date

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