

Standard Products Catalogue ICRC/IFRC

Sustainable information sheet

Product: Mosquito nets, long lasting insecticidal net (LLIN)

The below table is based on the Sustainable Criteria list available at:

<https://itemscatalogue.redcross.int/green--2/sustainable-procurement--25/sustainable-criteria--112/information-sheet-sustainable-procurement--SUSTAINABLE.aspx>

Environmental aspects	Achievements
Use long lasting products and materials, to minimize the replacement and allow the second life.	The mosquito nets are entirely made of Polypropylene or Polyester for a long lifespan. Long lasting is demonstrated by bursting test in the specification and the quality of make to ensure a long usage. Testing in laboratory ensures the required quality. WHO specification is 5 years for the net and 5 years for the insecticide release.
Recycling the raw material of the product	The Polypropylene or Polyester fibers can be collected and recycled.
Using recycled or re-used materials to make the product	The material does not include recycled Polypropylene or Polyester as this may lead to lower the quality and reduce the lifespan.
Reduced weight and volume compared to equivalent preceding products	N/A
Seek equipment that is energy efficient	N/A
Use materials with reduced effect on environment due to their intrinsic nature	
No (or reduced) polluting with minimum use of toxic chemicals, CFCs ozone and other pollutants	The fibers contain insecticide that is gradually released at the surface of the net within 5 years. This is tested and validated by WHO.
100% biodegradable material when biodegradability in the environment is foreseen	Not applicable.
Use of materials and products that can have a second life in a different usage	Due to its long lifespan, the mosquito net will serve for many years.
Use equipment that have a high rate of reparability when applicable	Easy to repair in small tailor shop, or at household level

When products are made up of several types of material, particularly plastics and metals, the ease of disassembly is taken into consideration. Particularly relevant for electronic and electrical products.	The mosquito net is 100% made of virgin Polypropylene or Polyester
Minimum packaging. Reducing the packaging to the minimum although enabling the product to survive poor handling. Optimize palletization and TC loading.	The mosquito nets are individually packed and packed in bales of 50 with the minimum quantity of packaging materials. The size of the bale is the most appropriate to fill in the maximum quantity in a transport container.
Manage sourcing in a way that reduces the environmental impact and facilitates the application of social standards. Favor manufacturing processes that facilitate pollution control. Proper waste management in the production site.	Supplied from WHO validated manufacturers only. 1 st level: The mosquito nets are produced by large industrial plants where international regulations on pollution should apply and social standards are up to the legal requirements or above. We perform Quality Social Environmental audits on site to ensure our requirements are met. This includes corrective action plan and implementation follow up. 2 nd level: The raw material (the virgin PES or PP) is produced by large industrial plants where international regulations on pollution should apply. We rely on our manufacturers to keep control of their raw material producers, and encouraging them during the audits to source raw materials from clean origin.

Social aspects	
Ethical standards	
The ICRC/IFRC code of conduct for purchasing strives to ensure the ICRC highest ethical standards and ethical standards from our suppliers too. Each person undertaking any purchasing activity in the ICRC signs this document.	The lead buyers are applying the Codes of Conduct and Ethics, ensuring the ethical standards are respected along the supply chain. Audited by internal services.
The ICRC/IFRC Ethical Purchasing policy is being implemented. Criteria on working conditions, hygiene and security, safety, child labor, and environmental concerns are assessed in the manufacturing units. Position on Ethical Policy for Purchasing (icrc.org)	The manufacturing plants are being validated, ensuring the ethical standards are respected.

	Manufacturers are encouraged to implemented progress actions, following recommended international standards. Audited by our services.
Social impact: labor and deontological practices, Health and safety, hardship working conditions, etc.	The manufacturing plants are being validated, ensuring the social standards are respected.

Economic impact, value for money	
Maximum durability, reparability, reusability, recyclability and upgradeability:	The mosquito net is very durable, ensured by the specifications and testing as described above. It can be used for its original usage for a very long time. Material is 100% recyclable.
Use long lasting products and materials, to minimize the replacement and allow the second life.	Very durable product providing a long usage without replacement. The testing on burst and the quality of make guaranties the durability.
Reparability is also considered during the design of the product.	Easy to repair in small tailor shop, or even at household level.
Seek products that enable updated and improve performance.	Not applicable
Anti-fraud policy ICRC/IFRC policy to prevent fraud and corruption for all staff members and external partners	The anti-fraud policy guaranties the proper application of the product specification through a well-controlled purchasing process, a transparent and reliable quality control, and tight supervision of the inspection companies in particular during factory audits.