

Reliefnet specification

Specifications		Requirements	Range	Test standards
Material	Fabrication	Warp knitted		ISO 8388
	Fiber Analysis	100% polyethylene		ISO1833 FTIR
	Number of filaments	Monofilament		Physical inspection
	Linear Density	120 denier yarn	+/-5%	BS 5441: 1998
	Mesh	116 (holes per inch ²), 18 (holes per cm ²)	Min. 116 or 18 respectively	ISO 7211/2: 1984
	Weight	34 g/m ²	+/-10%	EN 12127/ISO 3801
	Dimensional stability	<10% for both warp and weft		Washing 8A flat dry 1 cycle ISO 6330, ISO 3759, ISO 5077 (Note 9)
	Dimensional tolerance	<10% shrinkage <5% expansion	Max -10%/+5%	Measured in seams
	Bursting strength of fabric and seam	400 kPa	Minimum	ISO 13938/2: 1999
	Colors	Standard in white, light/dark green and light/dark blue (other colors available upon request)		Visual comparison to agreed net sample
Flammability		Non-flammable		EN 1102:2016
Storage		After storage at 54°C for 2 weeks, the net will lose less than 5% of Deltamethrin	<5% loss of Deltamethrin	CIPAC method MT 46.3, CIPAC Handbook J, page 128, storage at 54°C for 2 weeks
Retention index		Deltamethrin should migrate to the surface fast enough to replace losses, without the net loses its bio-efficacy prematurely. The retention index of 0,95 indicated that at least 95% of the Deltamethrin present in samples washed 3 times is still present after an additional wash step.	0.95 – 1.01	CIPAC method for LLIN, extension retention or release index, January 2010. WHO washing procedure who/whopes/gcdpp/205.11 and CIPAC/4673/m
Active ingredient	Deltamethrin concentration	1,8 g/kg	+/-25%	ISO 3801:1977 (454/LN/M/3.2, CIPAC Handbook M, P. 40, 2009)
Insecticidal effect	Bioassay	80% mortality or 95% KD60		WHO standard test cones

Manufactured according to ISO 9001:2015 standards