Stretch Net

Features

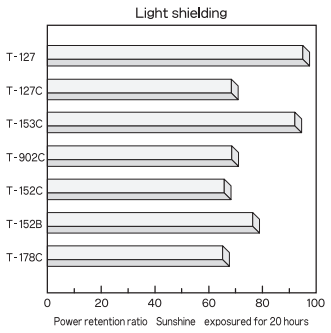
- LYCRA is used for knit products and textiles combined with the use of other materials.
- LYCRA is excellent for comfortable stretching, shape-molding, and provides superior fit and molding properties due to its high stretching function, resilience, shape retention and thermal setting properties.
- LYCRA is polyester spandex.T-127, T-127C, T152B, T152C, T-153C, T-178C, T-902C threads are available for feature requirement of final products.

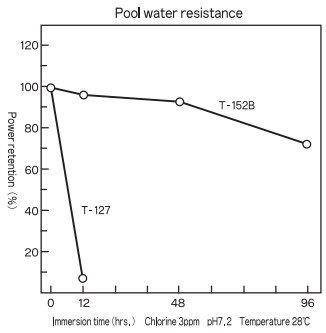
【Features of LYCRA, function and application】

Features of LYCRA	Function for products	Application (main example)
High stretching property	Stretching property	Swimming wear, leotards, diapers
Resilience	Shape retention	Innerwear, outerwear
Retention	Fit	Foundation, pantyhose
Thermal setting	Moldability	Outerwear

【Durability】

- LYCRA is highly durable for light, repeated stretching, friction and oxidization.
- T-152B is highly durable for chlorine and suitable for use in swimming suits.





Testing method

Applied for JIS L 1018

1. Elongation and elongation ratio

Elongation ratio with constant load (200g or 300g (2.94N) per 1 cm, see note appended)

(1) L1 is the length when specified load was added and was left for one minute.

(2) L is the length between original marks.

Ep=100×(L1-L)／L ; first decimal Ep : Elongation ratio when constant load added (%)

2. Elongation elasticity ratio

B method (constant load method)

(1) Length was L1 when adding specified load and was left for one minute.

(2) L1 is the length when load was removed and was left for 3 min., afterwards the primary load was added.

(3) L is the length when between original marks.

Ee=100×(L0-L1)／(L0-L) ; first decimal Ee : Elongation elasticity ratio when constant load added (%)

Test data

Sample name 1-4 : Stretch Luggage Net
Length of sample (mm) : 200

Load (N)	50	100	200	300	400
Elongation (mm)	90.0	106.0	120.0	130.0	140.0
	115.0	132.0	150.0	160.0	170.0
	112.0	130.0	152.0	163.0	172.0
Average	105.7	122.7	140.7	151.0	160.7
Elongation ratio (%)	**52.8**	**61.3**	**70.3**	**75.5**	**80.3**

Application

① Holding loads for transportation
② Luggage net
③ Prevention of shifting cargo
④ Protective net
⑤ Pocket net
⑥ Trampoline net

【Specification of rotative direction knitting】

Item \ Product name		Stretch Net
Knitting structure		Single Raschel
Mechanical knitting		130inch
Gauge		
Thread specification	Thread type	
	Longitudinal thread	
	Insertion from horizontal direction	
Resin treatment		No
Stitch dimension	Vertical	25mm
	Horizontal	25mm
Thickness	Vertical	2.62mm
	Horizontal	2.62mm
	Intersecting point	2.75mm
Weight (g／㎡)		340g
Light shielding ratio		

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