



L2 Performance Filament Yarns

(PET / Nylon)



General Description

Litrax L2 Filament Yarns are designed for the sportswear, homewear, athletic and underwear. Fabrics made of L2 fibers or yarns have high insulation properties (up to 3.2 clo), rapid warming effects from +4°C. to over +27.8°Celsius depending on blend and quality. In summers, functional textiles on the basis of L2 filament yarns provide excellent moisture absorption, temperature regulation, sweat loss thanks to the filament geometry and the unique properties and high porosity of organic particle additives in the compound. L2 containing bodywear does not stick on the body, feels soft, warm in winters and dry on body in summers. This yarn is truly excellent for athletic and performance wear. A combination with L5 yarns provides further functions and enhances enduring sports performance significantly.

Features

- Immediate warming and insulating in winter
- Body temperature regulating in summer
- Anti UV protection
- Moisture workout
- Warming ranges from +4°C. to +27.8°C depending on design
- Insulation up to 3.2 clo depending on blend and fabric design
- Strong protection against ultraviolet (UV) emission
- Far Infraray enhancer
- Good for medium to dark colour dye

Applications

Athlete & Functional Textiles
Intimate Apparels
Bathrobes & Towels

PRELIMINARY SPECIFICATION

Data subject to change.
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L2.FILAMENT V1.0

US Office:

LITRAX USA
9 Liberty Hill Dr.
Blackstone, MA 01504
USA
www. Litrax.com
Phone (508) 876 1070
Fax (508) 883 3434
Litrax@Litrax.com

Corporate Headquarter:

LITRAX AG
Allmendweg 22
CH-6045 Meggen
SWITZERLAND
www. Litrax.com
Phone +41 41 450 4944

Litrax@Litrax.com

Technical Data

General Data	Characteristics
<i>Composition</i>	100% Polyester Textured Filament containing L2 additive
<i>L2 Production Process</i>	Organic Pyrolysis (carbonization) Sub-micron powder production PBT compounding Mix with PET at extrusion
<i>Shade / Colour</i>	greyish

Specification for L2 Filament Yarns

Test Data according to Quality Inspection Report Effective Value	Unit	Value 76d72f	Value 76d36f
Actual count – DIN EN ISO 2060	dtex	83	87
Nominal count	dtex	76	76
Filaments	f	72	36
Pulling strength – DIN EN ISO 2062	cN/tex	36	39
Elongation – DIN EN ISO 2062	%	22	28
Shrinkage in hot air – DIN EN 14621	%	5	6.6
Crimp – DIN EN ISO 53 840 - T1	%	13	21
Crimp degree	%	7	13
Crimp stability	%	82	84
Crimp point distance (TWD method)	mm	17	18

Ordering Information

Product	Count	Ordering P/N
L2 Texturized Polyester Filament Yarn	76dtex 72f	L2Y.76d.72f
L2 Texturized Polyester Filament Yarn	76dtex 36f	L2Y.76d.36f
Core Yarns with L2 Filament		available on request
<i>Cone quality</i>		<i>Cylindric</i>
<i>Cone length and inner diameter</i>	<i>L 290mm</i>	<i>Ø 69mm</i>

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