



Product Data Sheet

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METLON 50NL

CHARACTERISTICS

Gives fabrics a soft hand and excellent pliability with a very high luster. Good strength and high yield.

USES

UNSUPPORTED

Single knits, warps and novelty yarns.

SUPPORTED

Woven or knitted fabrics for apparel, hosiery, and novelty fabrics, where additional strength is required.

COLORS

Gold, silver, red, blue, green, copper, and purple. Other brilliant colors as fashion dictates.

CONSTRUCTION

UNSUPPORTED

Non-laminated single ply polyester film, metallized with an aluminum deposit on one side. Silver has a clear, colorless lacquer over the metallized side. Gold and colors have transparent, colored lacquer on both sides.

SUPPORTED

Non-supported 50NL is wrapped with two ends of 15 or 20 denier nylon. One wrap is "S" and one wrap is "Z". There are 5-7 wraps per inch of each end of nylon.

STRENGTH AND ELONGATION (based on 1/69" width)

	<u>Unsupported</u>	<u>Supported</u>
Elongation	80% minimum	20% minimum
Breaking Strength	70 grams minimum	160 grams minimum
Yield point	8 grams	25 grams

DRY CLEANING AND LAUNDERING

Professional dry cleaning, using perchlorethylene only, is preferable to laundering. Hand laundering with Woolite and cold water is the only suggested laundering method.

IRONING

Fabrics containing 50NL should be treated like all synthetic fabrics, 50NL should be ironed at the lowest setting on the iron. Do not use steam when ironing.

WET PROCESSING

It is recommended that 50NL be used in only dyed yarn constructions. 50NL is not intended for any type of wet processing. (Some customers have successfully dyed fabrics containing 50NL, but they do this at their own risk.)

HEAT

Dry heat up to 160° F. is acceptable.

STANDARD WIDTHS AND YIELDS (yards per pound)

UNSUPPORTED

	<u>SILVER</u>	<u>GOLD</u>	<u>COLORS</u>
1/32"	31,000	28,000	28,000
1/69"	68,000	62,000	62,000

SUPPORTED (2 ends 15 Denier nylon)

	<u>SILVER</u>	<u>GOLD</u>	<u>COLORS</u>	<u>COMPOSITION</u>
1/69"	47,000	45,000	45,000	35% Nylon – 65% metallic
1/100"	57,000	54,500	54,500	43% Nylon – 57% metallic

SUPPORTED (2 ends of 20 denier nylon)

	<u>SILVER</u>	<u>GOLD</u>	<u>COMPOSITION</u>
1/69"	43,000	41,000	40% Nylon - 60% Metallic

QUALITY CONTROL

At the time of manufacture, Metlon conducts a series of tests to insure that 50NL meets minimum physical and chemical requirements. Copies of these tests are available from Metlon.

Because of the wide variation in individual requirements, it is recommended that each customer conduct its own tests to determine Metlon's acceptability for its use.

TERMS AND CONDITIONS OF SALE

All statements, technical information and recommendations contained herein are based on tests we believe to be reliable, but the accuracy or completeness thereof is not guaranteed, and the following is made in lieu of all warranties, express or implied: Seller's and manufacturer's only obligation shall be to replace such quantity of the product proved to be defective. Neither seller nor manufacturer shall be liable for any injury, loss or damage, direct or consequential, arising out of the use of or the inability to use the product. Before using, user shall determine the suitability of the product for his / her intended use, and user assumes all risk and liability whatsoever in connection therewith. Statements or recommendations not contained herein shall have no force or effect unless in an agreement signed by officers of seller and manufacturer.