




## GEM Metallic Yarn Product Information

For works that require extra shine, our GEM Metallic Yarn is the professionals' choice. Composed of a polyester or rayon core entwined with metallic film, GEM Metallic Yarn comes in 7 variants of silver, gold & black to add flair to all types of textiles works.

-  **Nominal Count: 150 Denier**
-  **Type: ST / Round Type Metallic Yarn**
-  **Length per Cone: 5,000m or customizable upon request**



## Benefits of GEM Metallic Yarn



Produced from top grade raw materials



Compatible with both sewing & embroidery machines



Available in both rayon & polyester composition



Safe for human use, passing renowned tests & standards



Compatible with weaving applications



Designed for quality, durability & ease of use



High colour consistency with minimal colour variation



Less than 2 knots per cone for minimal machine downtime



Gives textile works unmatched sheen & shine

## Packaging Information

<b>Yarn Length / Cone</b>	5,000 m	<b>Carton Dimension</b>	69 cm x 36 cm x 39 cm
<b>Cone Dimension</b>	6.5 cm x 6.5 cm x 17.5 cm	<b>Carton Gross Weight</b>	17.90 kg
<b>Cone Gross Weight</b>	155 g	<b>Cones/CBM</b>	1,000 cones
<b>Cones / Box</b>	50 cones	<b>Cones/20' Container</b>	30,000 cones
<b>Box Dimension</b>	34 cm x 34 cm x 35.5 cm	<b>Cones/40' Container</b>	67,000 cones
<b>Box Gross Weight</b>	8.40 kg	<b>Cones/40' HC Container</b>	72,000 cones
<b>Boxes / Carton</b>	2 boxes		

**Remarks:** Actual packaging information may vary slightly from the above information within tolerable range due to various production factors.

**Technical Information**

Test	Method	Results
Colour Fastness	Carbon Arc Lamp, 20 hours	Pass
Laundry	0.5% Soap concentrate, 70°C, 20 minutes	Pass
Dry Heat	180°C, 20 seconds	Pass
Boiling Water	30 minutes	Pass
Friction	200 g load, 200 times	Pass
Ironing	140°C, 15 seconds	Pass
Dry Cleaning	100% Perchloroethylene, 21°C, 30 minutes	Pass
	100% Petroleum Benzene, 21°C, 30 minutes	Pass
	100% Trichloroethylene, 21°C, 30 minutes	Pass
Perspiration	Acid Solution, JIS-L-0848A	Pass
	Alkali Solution, JIS-L-0848A	Pass

**Production Lead Time**



Quantity / Item	<b>GEM Metallic Yarn (5,000m)</b>	<b>GEM Metallic Yarn (Custom Colour, Size or OEM)</b>
< 5,000 Cones	Ready stock	Upon discussion
5,001 – 30,000 Cones	7 – 14 days	Upon discussion
> 30,001 Cones	14 – 21 days	Upon discussion

**Remarks:** The above production times serve only as an estimation & guideline. Actual production may vary depending on production schedule, order forecast & complexity of special specifications among other factors.

## Frequently Asked Questions

**Q What can I use GEM Metallic Yarn for & which composition should I use?**

**A** GEM Metallic Yarn can be used for weaving, sewing & computer embroidery applications. For weaving, we recommend using our rayon type as it is softer. For sewing & embroidery, we recommend using our polyester type as it is stronger & more durable.

**Q Can I use GEM Metallic Yarn on all sorts of fabrics?**

**A** As GEM Metallic Yarn is a very special & delicate material, it may not be suitable for all applications. We strongly recommend pretesting before actual usage.

**Q Do I need to adjust my embroidery machine before using GEM Metallic Yarn?**

**A** As GEM Metallic Yarn is a delicate material, it is good practice to always adjust both upper & lower thread tension before embroidery. To ensure minimal thread breakage & looping, we recommend you to loosen your machine tensioner before working with GEM Metallic Yarn.

**Q Are there any special tips to ensure best performance of GEM Metallic Yarn?**

**A** In addition to using appropriate machinery & equipment, an effective trick to reduce thread breakage for GEM Metallic Yarn is to lubricate the thread with a safe silicone spray. This can be done periodically on both the cone and the needle.

**Q Can I rewind GEM Metallic Yarn into smaller cones?**

**A** Yes. However, as GEM Metallic Yarn is a delicate material, we do not recommend doing so & cannot guarantee the results. If it is necessary to rewind, pretesting is highly recommended before actual use.

**Q What is the best way to store GEM Metallic Yarn?**

**A** To maximize shelf life & ensure consistent quality, we highly recommend storing GEM Metallic Yarn in its box & carton, away from open flames, heat, humidity, sunlight & extreme temperatures. For safety, we recommend keeping out of reach from children.

**If you have any other questions or inquiries, feel free to send them to [info@gem-thread.com](mailto:info@gem-thread.com). We will be more than happy to assist you with further information. We thank you for your interest in our products!**