

Coats® Gral™ Binder SLS

Coats Gral Binder SLS is a high tenacity multi-filament polyester yarn with ultra-low shrink. Coats Gral Binder SLS is specially engineered to ensure that the binder does not indent buffer tubes which can cause a defect in the cable and disrupt the stranding operation.

Coats Gral Binder LS is available in 1 end and 2 end packages.

COATS
gral binder sls



HIGH TENACITY
MULTI FILAMENT
POLYESTER

WHY CHOOSE GRAL BINDER SLS?

- Lower cost alternative to aramid binders.
- Prevents damage to loose tubes.
- Engineered to prevent cable defects and avoid disruption of stranding operation.
- Package specialization and customization (tubes, cones, spools, lengths and weights).
- Package stability adjustments based on pay-off requirements (tack, wind ratio, density).
- Cost efficiencies and custom-made design capability available.
- Meets Coats restricted substance list.

MAIN USES:

- Binder yarn for loose tube telecommunication cables
- Ideal for dual end binders for optimum binder speeds



Coats Gral Binder SLS

PRODUCT RANGE

Article	Weight g/m	Runnage m/kg	Tensile Strength N	Elongation at Break %	Shrinkage 15 min - 150°C %
			N	%	
1000	0.110	9,090.91	75	20	≤1%
1500	0.167	5,988.02	100	20	≤1%
2000	0.220	4,545.45	150	20	≤1%

*All properties reference measurements made to single end components.

THERMAL PROPERTIES

Melts at 260°C, softens at 220 - 240°C

CHEMICAL PROPERTIES

Acids:	Resistant to most mineral acids
Alkalis:	Essentially unaffected by weak alkalis, but less resistant to stronger alkalis, especially at higher temperatures
Organic solvents:	Unaffected
Bleaching:	Unaffected
Insects / microorganisms (mildew, rot):	Unaffected
Chemical:	Excellent resistance

PACKAGING

A variety of packaging options are available. Standard packaging is listed below.

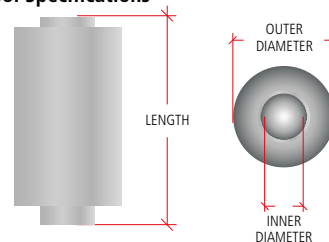
Tube Ref.	I.D. mm	Length mm	Traverse mm	Max. O.D. mm
T77 x 272	77	272	250	300
T94 x 215	94	215	195	300
T94 x 290	94	290	250	300
T107 x 215	107	215	195	300
T127 x 215	127	215	195	300

* All properties reference measurements made to single end components

PACKAGE OPTIONS

Standard KM per spool are available for all tube options. Alternative lengths are available.

Spool Specifications



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EXPERT REAL WORLD SUPPORT

The final cost of any thread also includes hidden costs, fuelled by the methods and tools applied to it. Our experts know exactly how to reduce those costs, save time and increase productivity.



One to One Visits

There's no need to come to us, our experts will travel to your site. In person, online or via the phone, our trained consultants deal with the kind of issues any busy factory may face, providing a solution for today and a blueprint for future efficiency.



Training and Presentations

From yarn selection to stitch formation, the use of colour to solutions for common production issues, we take the learning gathered through years of hands on experience and present it in the form of high impact seminars, workshops and presentations.



Innovation Hub

Collaborate directly with expert R&D technologists at our Innovation Hub to create pioneering and tailored solutions for products ranging from Performance Materials to Apparel and Footwear. Equipped with state-of-the-art technology, we quickly turn ideas into prototype designs ready for manufacturing.

To drive your hidden costs down, talk to Coats. From thread audits in pre-production to the latest technical bulletins, we'll provide support that achieves measurable results.

For more information, talk to your Coats representative today or visit www.coats.com/gral-binder-sls



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Since conditions and applications vary considerably in the use of a product, the customer and/or user should assure themselves that the product meets end customer requirements and is suitable for the intended end use. Coats accepts no liability for unsuitable or improper use or application of products. Information provided is based on current averages and should be taken only as indicative. Coats accepts no liability for the preciseness and correctness of the information provided. Product information sheets are updated for time to time, please be sure you are referring to the most recent publication. Coats supports customers with advice on individual applications on request; if you have any questions or concerns, please contact us. © Copyright reserved 2023

