

Coats® Glasmo™

Coats Glasmo PTFE has been developed for the manufacture of demanding filtration applications. It is a temperature resistance fibre glass sewing thread with exceptional thermal stability up to operating temperatures of 593°C. Fibre glass material does not burn, and E glass variety is used for spark plugs, thermo couples and ROHS compliant colour coded insulation wire assemblies.

The additional PTFE coating gives the product excellent frictional properties which it does not naturally have or has been imparted by conventional lubricants. The product provides good resistance to acids, alkalis and oxidants.

Glasmo QT is a Quartz sewing thread made from high purity, continuous filament pure fused silica with a maximum operating temperature of 2000°F/1094°C.

COATS
glasmo ptf



TEMPERATURE
RESISTANT FIBRE
GLASS

WHY CHOOSE GLASMO?

- Unique blue sintering technology (as opposed to open flame) for low strength loss.
- PTFE tower coating for excellent frictional properties and chemical inertness.
- Excellent 'cake release' filtration properties on account of unique PTFE sintering technology.
- Capable of operating in high operating temperatures of over 550°C.
- ROHS compliant dye stuffs for colour coded insulation assemblies.
- Available in large package knotless tower tubes for high productivity operations.

MAIN USES

- Insulation wire assemblies, spark plugs, hermo couples (E glass)
- HVAC, autoclaves and aircraft engines (PTFE coated E glass)
- Dry filtration (Sintered PTFE coated BC glass)



Coats Glasmo

PRODUCT RANGE

Brand	Ticket	Tex	Nomenclature	Dtex/Ply	Strength		Elongation % Min - Max
					Target cN	Min cN	
Top thread							
Glasmco PTFE	21	120	E12 Glass	150/2 x 2	7950	6229	1 - 5
Glasmco	21	120	E12 Glass	150/2 x 2	7950	6229	1 - 5
Glasmco PTFE	18	180	E18 Glass	150/2 x 3	12092	9788	1 - 5
Glasmco	18	180	E18 Glass	150/2 x 3	12092	9788	1 - 5
Glasmco Q	30	200	Q18 Quartz	300-2/2 x 3	14192	12782	1 - 5
Glasmco PTFE	12	240	E24 Glass	150/2 x 4	14748	13347	1 - 5
Coccons							
Glasmco Q	30	200	Q18 Quartz	300-2/2 x 3	14192	12782	1 - 5
Glasmco PTFE	18	180	E18 Glass	150/2 X 3	12092	12092	1 - 5

COLOUR FASTNESS

	Test Method	Rating Stain	Change of Shade
Wash Fastness 60°C	ISO 105-C10C	4	4
Water Fastness	ISO 105-E01	4	4
Rub Fastness	ISO 105-X12	4*	N/A
Hypochlorite Fastness	ISO 105-N01	N/A	4
Dry Cleaning Fastness	ISO 105-DO1	4	4
Perspiration Fastness	ISO 105-E04	4	4
Artificial Light Fastness	ISO 105-B02	N/A	5

Coats Glasmo uses ROHS compliant dye stuffs on dyed fibre glass

THERMAL PROPERTIES

Melting point for Coats Glasmo fibre glass 593°C

Fibre glass does not burn

Blue sintering temperature is 327°C

CHEMICAL PROPERTIES

Fibre glass has exceptional thermal stability, good resistance to UVR and ageing, but less than satisfactory abrasion resistance

PTFE coating imparts excellent chemical inertness and good frictional properties

Blue sintering process reduces strength loss by 15-20%



Coats Glasmo

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 thread 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/glasmo



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 2022