



Tenara®

SEWING THREAD

**Application Profile:
Artificial Turf**



Reliable Seams for Extended Lifetime

Enduring benefits

Unlike polyester and nylon threads, GORE® TENARA® sewing thread is inherently resistant to UV and chemicals, with the durability to withstand harsh weather. Since this resistance is a physical property of the thread material – not a coating or treatment – TENARA® thread can be exposed to the elements for years and still provide the same performance benefits that it did at installation.

Colours will not fade

The highly UV-resistant pigments used in TENARA® Sewing Thread retain colour even after prolonged outdoor exposure. That means that seams sewn with a TENARA® thread matched to the turf's hue will stay virtually invisible.

Install year-round

Artificial turf can be installed year-round using TENARA® thread, since there is no need to worry about temperature effects on expansion and contraction of the sewing thread.

Proven performance

TENARA® thread has been used in the artificial turf industry for over a decade, providing lasting benefits in hundreds of fields – in a wide range of temperature and climate conditions – around the world. It is especially valued in turf applications that do not require infill, such as bowling greens.

Better by design

GORE® TENARA® sewing thread is made of expanded polytetrafluoroethylene (ePTFE), a technical polymer invented by W. L. Gore & Associates in 1969. The mechanical properties of the ePTFE used in TENARA® thread have been tailored to perform best in high speed industrial sewing machines while also providing the strength and UV resistance needed in outdoor applications.



Image courtesy of Dales Sports Surfaces Ltd.
Seam sewn with Forest Green TENARA® thread (M1003HTR-FG-5)



APPLICATION

- Artificial turf seam joining

CHALLENGES

- Continual UV exposure
- Exposure to harsh weather
- Need for frequent cleaning and maintenance
- Stress from sports equipment and cleats

BENEFITS OF TENARA® SEWING THREAD

- UV resistant
- Chemically resistant to cleaning solutions and dirt
- Maintains colour and strength after exposure to sunlight, cleaning solutions, and repeated wear
- Stain resistant
- Does not absorb water; resists mildew, rot and decay



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Recommended GORE® TENARA® Sewing Thread for artificial turf

Part Number	Colour	Linear Density	Nominal Break Strength	Yield Per Spool	Recommended Needle Size
M1003HTR-L-5	Clear	2775 dtex 2500 denier	8452 cN 19 lbs	1050 m 1150 yds	Nm 120-140 #19-22
M1003HTR-BK-5	Black	2775 dtex 2500 denier	6228 cN 14 lbs	1050 m 1150 yds	Nm 120-140 #19-22
M1003HTR-FG-5	Forest Green	2775 dtex 2500 denier	6228 cN 14 lbs	1050 m 1150 yds	Nm 120-140 #19-22

Additional colours are available. Please contact us.
Made in the USA by W. L. Gore & Associates, Inc.

FOR INDUSTRIAL USE ONLY.

Not for use in food, drug, cosmetic or medical device manufacturing, processing, or packaging operations

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