



**Product Safety Information for GORE® TENARA® Sewing Thread – TR Style Clear and Colors:
Black, Chocolate Brown, Chesapeake Blue, Forest Green, Gray, Light Gray, Red, Orange,
White, Yellow and Tan**

Description: GORE® TENARA® Sewing Thread – TR Style is expanded polytetrafluoroethylene (ePTFE) filament that has been lubricated with a very small percentage of silicone wax. The silicone wax thread finish helps to provide lubricity during the sewing operation. The silicone wax thread finish is a standard copolymer system that is ideally suited as a finish for many synthetic thread types. The ePTFE thread is not degraded by exposure to solar ultraviolet radiation, cleaning agents, harsh chemicals, saltwater, and temperature extremes. The thread is designed for sewing articles exposed to the outdoor elements. Such articles include awnings, shade covers, upholstery, pool covers, and tarpaulins, also including marine awnings, marine upholstery, and marine enclosures.

Regulatory Information: GORE® TENARA® Sewing Thread – TR Style is defined as an article in the United States, per OSHA Regulation 29 CFR 1910.1200(b)(6)(v) during normal intended use, and as described in EC Regulation 1907/2006/EC. For that reason, an MSDS is not required. It is non-hazardous in its original form and when applied according to Gore recommendations.

Application: GORE® TENARA® Sewing Thread – TR Style is intended to be used by customers to provide durable sewing thread for outdoor fabric product construction.

Risks and Usage Recommendations: During the installation of the GORE® TENARA® Sewing Thread there is no risk associated with the thread. Customers can install or remove the thread without use of personal protective equipment. Material processed using high speed equipment may cause some filament residue on the process equipment. The filament residue can be easily wiped or vacuumed using conventional vacuuming equipment. Use of compressed air is not recommended. If the material is involved in a fire, hazardous decomposition by-products may form, including: carbon monoxide, carbon dioxide, hydrogen fluoride, carbonyl fluoride, tetrafluoroethylene, hexafluoropropylene, perfluoroisobutylene, and traces of incompletely burned carbon products. Inhalation of fumes from overheating or burning of this product may cause polymer fume fever, a flu-like illness with chills and fever. Do not heat over 288°C (550°F) and avoid burning, grinding and melting of the products. For threads containing silicone wax, heating the material above 150 °C (302 °F) may cause formaldehyde to be generated.

Control Measures: The risks from exposure to decomposition by-products can be reduced if standard practices are used. These practices include:

1. Not heating product over 288°C (550°F)
2. Avoid burning, grinding, high temperature cutting or melting of the product without the use of effective local exhaust ventilation and/or personal protective equipment.
3. Use wet-wiping or vacuum systems to clean affected areas; do not use compressed air.
4. Protecting material from fire. In the event of a fire, wear self-contained breathing apparatus and wear full protective equipment. Hydrogen fluoride fumes emitted during a fire can react with water to form hydrofluoric acid. Wear Neoprene gloves when handling refuse from a fire.
5. The product is not likely to be hazardous by skin contact, but cleansing the skin after use is advisable. Avoid contamination of smoking products with dust from this material. Smoking tobacco or cigarettes contaminated with polymer particles or dust may cause “polymer fume fever”.

Dispose of according to local, state, national, and international regulations. Incinerate only if incinerator is capable of scrubbing out hydrogen fluoride and other acidic combustion products.

It is the responsibility and legal obligation of the users of GORE® TENARA® Sewing Thread to ensure that a suitable and sufficient risk assessment is defined and taken prior to using the product. A suitable risk assessment will consider all locally valid regulations and safety measures.

W. L. Gore & Associates, Inc.

Industrial products division
100 Airport Way
Elkton, MD 21922
Phone 410-506-8400 • Fax 410-506-8445
gore.com

GORE®, TENARA®, and design are registered trademarks of W. L. Gore & Associates, Inc.

FOR INDUSTRIAL USE ONLY.

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