



# Rastex®

## SEWING THREAD

### Proven Reliability

GORE® RASTEX® Sewing Thread is a premium PTFE thread for demanding wet and dry filtration applications. It is ideal for hot gas filtration in the energy, minerals, chemicals and metals industries. Unaffected by moist environments, it is equally well suited for electrolytic cells and other liquid filtration applications.

GORE® RASTEX® Sewing Thread combines excellent chemical resistance, superior strength, greater flexibility, high abrasion resistance and dimensional stability. It's engineered for outstanding sewability and will not fibrillate.

Gore has been a leader in the manufacturing of PTFE Fibers for over 30 years. The company's proven reputation for quality is your assurance that GORE® RASTEX® Sewing Thread is the right choice for reliable seams in demanding applications.

### Technical Data

#### MATERIAL

100% expanded PTFE (ePTFE), with highly oriented strength and stability.

#### TEMPERATURE RESISTANCE

Use in services from -212°C to +260°C. With the widest temperature range of all synthetic fibers, GORE® RASTEX® Sewing Thread remains flexible throughout its useful temperature range.

#### TENACITY AT AMBIENT TEMPERATURE

Original GORE® RASTEX® Sewing Thread 4.1 g/den 36.4 cN/dTex

MHT GORE® RASTEX® Sewing Thread 4.9 g/den 43.7 cN/dTex

#### TENACITY AT +232°C

Original GORE® RASTEX® Sewing Thread 1.8 g/den 15.8 cN/dTex

MHT GORE® RASTEX® Sewing Thread 2.2 g/den 19.3 cN/dTex

#### CHEMICAL RESISTANCE

Excellent chemical resistance to acids, caustics, solvents and hydrocarbons; 0-14pH.

#### SHRINKAGE

<3% unrestrained in air at +232°C, 30 min.

#### MOISTURE AFFECTS

Moisture regain 0%; does not hydrolyze.

#### FLAMMABILITY

PTFE meets standard requirements of UL94 V-O. LOI (Limited Oxygen Index) is greater than 95%.



#### KEY FEATURES

- 30 years of proven performance
- Engineered for excellent sewability
- Made from 100% ePTFE
- Low shrinkage at elevated temperatures
- High tenacity at room and elevated temperatures
- Non-aging
- Generally chemically inert

#### KEY BENEFITS

- S010T1 offers up to 20% material savings due to higher yield/kg compared to competitive thread
- Can replace many high performance, high temperature threads to simplify inventory and logistics
- Reduces change-out time and labor
- Minimizes machine adjustments
- Reduces potential for production errors
- Does not degrade in chemicals, high temperatures or moist environments



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## Product Range

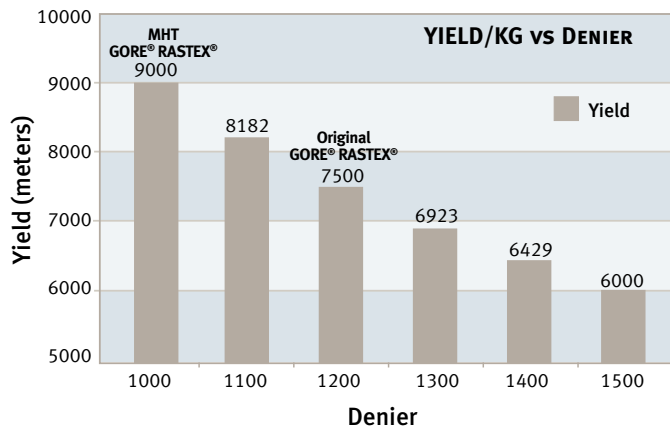
### ORIGINAL GORE® RASTEX® SEWING THREAD

PART NUMBER	DENIER/DTEX	NOMINAL BREAK STRENGTH LBS/(cN)	YIELD per KG Meters	Color
S012T1	1200/1333	12/5338	7500	Natural White
S024T4	2400/2666	24/10676	3750	Natural White

### MHT GORE® RASTEX® SEWING THREAD

PART NUMBER	DENIER/DTEX	NOMINAL BREAK STRENGTH LBS/(cN)	YIELD per KG Meters	Color
S010T1	1000/1111	12/5338	9000	Natural White
S010T1-Green	1000/1111	10/4448	9000	Green
S020T4	2000/2222	24/10676	4500	Natural White

## Yield Comparison



Lower denier GORE® RASTEX® Sewing Thread provides lower cost per meter than many higher denier threads.

For further information on GORE® RASTEX® Sewing Thread, please go to [www.gore.com/rastex](http://www.gore.com/rastex) or contact your local GORE representative.

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