

## THE SAFEST THREAD UNDER THE SUN



### **Gütermann PTFE 30 is extremely weather-resistant**

Sun, rain, wind and weather are particularly hard on outdoor textiles. Seams are placed under the most severe strain, and quickly lose their resilience and firmness under the influence of UV radiation and extreme weather conditions. Functional capabilities of standard sewing threads lessen if permanently exposed to outdoor conditions by up to 50 percent in the first year; but Gütermann PTFE 30 shows its strength.

# The resilient all-weather thread

## Reliable strength – where the strain is most severe

Tarpaulins, awnings, swimming pool covers, gliders, bouncy castles, artificial lawns, tennis or goal nets – all these textiles have been developed and produced for use outdoors. These products are usually constructed with special, weather-resistant equipment, however, conventional sewing threads are not designed to withstand such conditions. Threads that are exposed to these harsh elements are likely to suffer damage – and not only shorten the product lifetime, but also present a safety risk. These properties are important in all products from sports aircraft, to everyday shading systems. Therefore, it is most important that the thread used will convince the customer with its strength where the strain is most severe; and that the thread stand up to every type of weather. This thread is Gütermann PTFE 30.



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## Tested under the sun in Florida

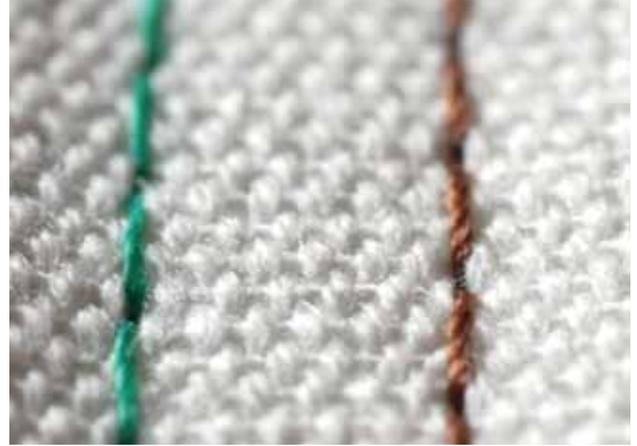
After 36 months, threads made of polyester or polyamide are only able to display 30 – 40% of their original function but under the same conditions, Gütermann PTFE is able to retain its exceptional strength. The outdoor weather test carried out under Florida's sun proves that the thread is dirt-resistant, possesses self-cleaning properties, is resistant to even aggressive chemicals, has an

exceptionally long lifetime and above all is verified as having maximum UV and weather resistance characteristics. These outstanding properties exist with Gütermann PTFE even after years have gone by.



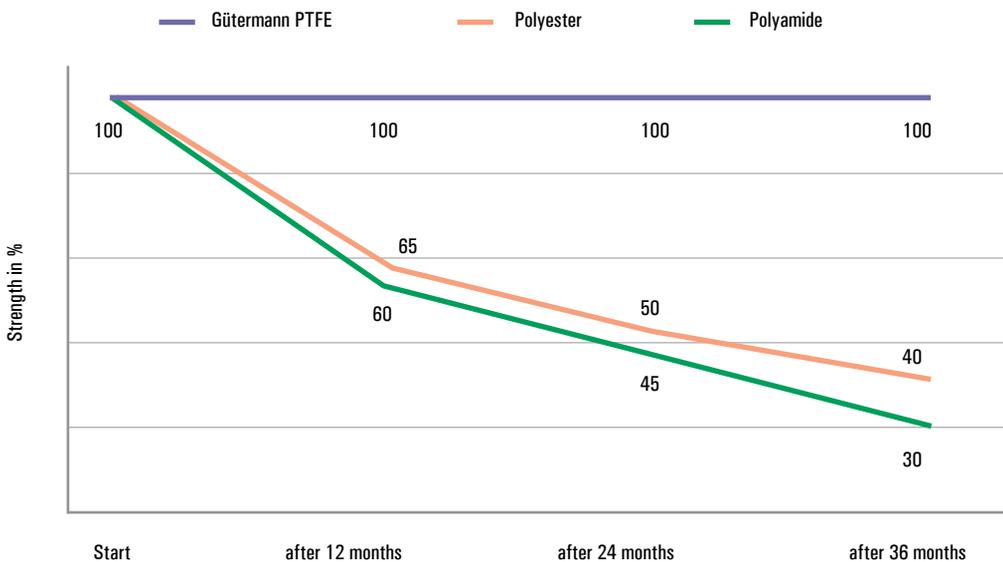
## Exceptionally safe – even in processing

Substantially safer than standard sewing threads, the Gütermann PTFE sewing threads are still just as easy to process as high-quality polyester thread. They can be used in machines and are just as suitable for high machine speeds as for twin-needle machines. Our PTFE can be sewn using double lockstitch or double chain stitch. It is not necessary to make any – or only minor – changes to machine settings, and the optimum needle sizes are Nm 90 to Nm 110. In brief: Gütermann PTFE thread is functionally unbeatable and superb in processing. The resulting seams are no different from a standard polyester seam even in terms of appearance and haptics.



On Teflon-coated awning fabric, the green seam with Gütermann PTFE convinces customers with its textile character and even seam pattern.

## UV-radiation and weather influences affect strength



Sets the standard for all other threads: Gütermann PTFE last and lasts and lasts – for years, thanks to its high strength.

The seam competence since 1864.



[www.guetermann.com](http://www.guetermann.com)

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