

# brilen

High tenacity polyester yarns



# PILOT PLANT

[brilen.com](http://brilen.com)

2024, BRILEN.

The data contained in this manual are for general information purposes only. While they reflect the state of knowledge at the time of issue, BRILEN does not give any guarantee in respect thereof and accepts no liability for deviations exhibited by their products.

# SPECIALTIES BY POLYMER

Recycled PES or other polymers could be spin in our pilot plant, project based.

## POLYAMIDE 6

Type	Titer/Filaments	Version	Tenacity (cN/tex)	Elongation (%)	SHA (%)
PA6 940/136	940/136	HT22	87	24,0	9,0
PA6 1880/272	1880/272	HT22	87	24,0	9,0
PA6 940/136 HIGH SHA	940/136	HT22	80	21,0	10,0
PA6 940/136 SPUN DYED	940/136	HT22	81	21,0	8,0

\*SHA analysed with LENZING (160°, 30 min and pretension: 51 gr.)

## POLYPROPYLENE

Type	Titer/Filaments	Version	Tenacity (cN/tex)	Elongation (%)	SHA (%)
PP 450/72	450/72	HT22	58	22,0	10,0
PP 700/72	700/72	HT22	64	25,0	7,5
PP 1350/144	1350/144	HT22	63	24,0	7,5

\*SHA analysed with LENZING (150°, 2 min and pretension: 75 gr.)

## POLYESTER SEMIDULL

Type	Titer/Filaments	Version	Tenacity (cN/tex)	Elongation (%)	SHA (%)
VLS-SD 455	455/48	HT22	53	25,0	1,9

\*SHA analysed with LENZING (180°, 2 min and pretension 0,1 cN/tex)

# SPECIALTIES BY ADDITIVES

Chemical products can be added on the yarn during our spinning process to give special and customized properties to our products, such as:

**LOW-WOCKCK FLUOR FREE**

**SPUN DYED COLOUR**

**FOOD CONTACT REGULATION**

**FLAME RETARDANCY**

**UV PROTECTION**

**BIODEGRADABLE**

**OTHERS**

This versatile pilot plant gives us **ENDLESS POSSIBILITIES** for development and research.

Any special request on properties, spool format or certification could be available under request. Please, contact our commercial team for your inquiries and projects.