



**BRILEN POLYESTER INDUSTRIAL YARNS**

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Environmental  
Product  
Declaration (EPD)

# HIGH TENACITY & MODULUS



## GLE - HIGH TENACITY & LOW ELONGATION

Type	Titer/Filaments	Version	Tenacity (cN/tex)	Elongation (%)	EASF (%)	SHA (%)
GLE	825/192	HT10-HT20/21	80-82	12,5	4,0-4,5	8,0
	880/192	HT10-HT20/21	80-82	12,5	4,0-4,5	8,0
	925/192	HT10-HT20/21	80-82	12,5	4,0-4,5	8,0
	1100/192	HT00-HT10-HT15-HT20/21	80-82	12,5	4,0-4,5	8,0
	1440/192	HT00-HT10-HT15-HT20	80-82	12,5	4,0-4,5	8,0
	1670/192	HT00-HT10-HT15-HT20	80-82	12,5	4,0-4,5	8,0
	2200/384	HT00-HT10-HT15-HT20/21	80-82	12,5	4,0-4,5	8,0
	3300/384, 3300/576	HT00-HT20	78-80	12,5	4,5-5,0	8,0
	4400/576, 4400/768	HT00-HT20	78-80	12,5	4,5-5,0	8,0
	5500	HT00	78-80	12,5	4,5-5,0	8,0
	6600	HT00	78-80	12,5	4,5-5,0	8,0
	7700	HT00	78-80	12,5	4,5-5,0	8,0
	8800	HT00	78-80	12,5	4,5-5,0	8,0

## FHS - HIGHEST MODULUS

Type	Titer/Filaments	Version	Tenacity (cN/tex)	Elongation (%)	EASF (%)	SHA (%)
FHS	1100/192	HT00	82	9,5	<b>3,8</b>	10,5
	2200/384	HT00	82	9,5	<b>4,0</b>	10,5
	3300/384	HT00	83	10,5	<b>4,2</b>	10,5

## TBF - VERY HIGH STRENGTH

Type	Titer/Filaments	Version	Tenacity (cN/tex)	Elongation (%)	EASF (%)	SHA (%)
TBF	1100/192	HT22	<b>89</b>	10,0	4,5	9,0
	1670/192	HT20	<b>86</b>	11,5	3,9	10,0
	2200/384	HT20	<b>87</b>	11,5	3,9	10,0

## SBX - FRICTION RESISTANT

Type	Titer/Filaments	Version	Tenacity (cN/tex)	Elongation (%)	EASF (%)	SHA (%)
SBX	<b>1100/72</b>	HT20	78	13,5	4,5	8,0

## GLI - HIGH STRENGTH LIGHTER PRODUCTS

*Premium*

Type	Titer/Filaments	Version	Tenacity (cN/tex)	Elongation (%)	EASF (%)	SHA (%)
GLI	1100	HT15	<b>93</b>	10,0	<b>3,5</b>	8,0

\*SHA analysed with LENZING (180°, 2 min and pretension: 0,5 cN/tex)

### FOOD CONTACT VERSION IS AVAILABLE

All our titer portfolio could accomplish FDA 21 CFR 177,2800 (textile and fibers) and Plastics Regulation (Framework Regulation No 1935/2004 and Regulation No 10/2011).

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