

## **Nanospider™ technology parameters**

	<b>Measurement</b>	<b>Units</b>	<b>Values</b>
<b>Fiber metrics</b>	Mean fiber diameter	nanometers	50, 100, 150, 200, 250 nm or higher
	Standard deviation of mean fiber diameter	standard deviation (given as % of mean)	Generally 30%, tolerances can be made wider depending on targets
	Linear mass density	deniers (g/9 000 m) or dtex (g/10 000 m)	< 0,0001 denier or dtex
<b>Web parameters</b>	Web area weight	grams/square meter (gsm)	0,03 g/m <sup>2</sup> is the lowest commonly used industrial application. 50 g/m <sup>2</sup> has been the highest used.
	Fiber packing density	meters of fiber/square meter	Depends on mean fiber diameter, gsm and polymer selection
	Web thickness	micrometers	1 - 500 μm
<b>Production metrics</b>	Production speed	meters/minute	Up to 60 m/min for production line
	Production width	meters	Currently up to 1,6 m
	Annual volumes	square meters/year	Up to 50 million square meters per year for PVA, with a mean fiber diameter of 200 nm, standard deviation of 30%, 0,03 g/m <sup>2</sup>