

Sinofibra Advanced Materials Co.,Ltd.

Product: SF-629 Para-aramid Continuous Filament Yarn --- High Tenacity / High Modulus Grade

Intended Applications: Ballistic textiles and military protective equipment, including soft armor fabrics and reinforcement for protective composites.

PRODUCT IDENTIFICATION			
Commercial Item	Denier	Linear Density (dtex)	Filament Count
SF-629-200D	200	222	133F
SF-629-400D	400	444	267F
SF-629-600D	600	667	400F
SF-629-840D	800	933	560F
SF-629-1000D	1000	1110	667F
SF-629-1500D	1500	1670	1000F
SF-629-3000D	3000	3340	2000F



TYPICAL TECHNICAL PROPERTIES				
Property	Test Method	Unit	SF-629-1000D(Typical)	SF-629-1500D(Typical)
Linear density	ASTM D1907	dtex	1150	1710
Tenacity at break	ASTM D7269	cN/dtex	23.2	23.4
Breaking strength	ASTM D7269	N	266.80	400.14
Elongation at break	ASTM D7269	%	3.6	3.48
Initial modulus	ASTM D7269	GPa	100	98
Finish on yarn (oil pick-up)	ASTM D2257	%	0.88	0.90

Typical values are for reference only and are not to be interpreted as specification limits.

SPECIFICATION GUIDE				
Property	Test Method	Unit	Specification	SF-529S-1000D Specification
Linear density	ASTM D1907	dtex	Nominal $\pm$ 5%	1110 $\pm$ 5% (1055-1165)
Tenacity at break	ASTM D7269	cN/dtex	$\geq$ 22.5	$\geq$ 22.5
Breaking strength	ASTM D7269	N	N/A	$\geq$ 250
Elongation at break	ASTM D7269	%	$\geq$ 3.0	$\geq$ 3.0
Initial modulus	ASTM D7269	GPa	$\geq$ 95	$\geq$ 95
Finish on yarn (oil pick-up)	ASTM D2257	%	0.6-1.2	0.6-1.2

## HANDING AND STORAGE

Store in a cool, dry area away from direct sunlight. Keep packages closed when not in use to minimize contamination and moisture pickup. Avoid exposure to strong oxidizing agents and aggressive chemicals. Handle packages to prevent physical damage.

## DISCLAIMER

The information provided herein is based on data believed to be reliable; however, no warranty (express or implied) is made. Values shown are typical values and/or specification limits as indicated. Actual properties may vary with processing conditions, environmental exposure, and test methods. The user is responsible for determining suitability for the intended application and for ensuring compliance with applicable laws and regulations.

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Address: Kangtai Chuangxin Plaza, No.222, Kefa Road, Shenzhen, China

info@sinofibra.com | www.sinofibra.com

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Manufacturing site is certified to ISO 9001