

Sinofibra Advanced Materials Co.,Ltd.

Product: SF-529S Para-aramid Continuous Filament Yarn (PPTA)

Intended Applications: Industrial reinforcement applications such as industrial textiles, cord and rubber reinforcement, optical cable reinforcement members, and reinforcement for protective/industrial composites.

PRODUCT IDENTIFICATION

Commercial Item	Denier	Linear Density (dtex)	Filament Count
SF-529S-200D	200	222	133F
SF-529S-400D	400	444	267F
SF-529S-600D	600	667	400F
SF-529S-840D	840	933	560F
SF-529S-1000D	1000	1110	667F
SF-529S-1500D	1500	1670	1000F
SF-529S-3000D	3000	3340	2000F



TYPICAL TECHNICAL PROPERTIES

Property	Test Method	Unit	SF-529S-1000D(Typical)	SF-529S-1500D(Typical)
Linear density	ASTM D1907	dtex	1099	1689
Tenacity at break	ASTM D7269	cN/dtex	20.3	20.7
Breaking strength	ASTM D7269	N	223.09	349.62
Elongation at break	ASTM D7269	%	3.4	3.52
Initial modulus	ASTM D7269	GPa	93	92.5
Finish on yarn (oil pick-up)	ASTM D2257	%	0.92	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 19.0	\geq 19.0
Breaking strength	ASTM D7269	N	N/A	\geq 210.9
Elongation at break	ASTM D7269	%	\geq 3.0	\geq 3.0
Initial modulus	ASTM D7269	GPa	\geq 85	\geq 85
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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