

Sinofibra Advanced Materials Co.,Ltd.

**Product:** Para-aramid Continuous Filament Yarn (PPTA) — High Tenacity Grade

**Intended Applications:** Industrial textiles; tire cord and rubber reinforcement; reinforcement for protective/industrial composites.

## PRODUCT IDENTIFICATION

Item	SF-AF529R-1000D	SF-AF529R-1500D
Product code	SF-AF529R-1000D	SF-AF529R-1500D
Nominal description	1100 dtex / 667F (Nominal 1000 Denier)	1670 dtex / 1000F (Nominal 1500 Denier)
Polymer	Poly(p-phenylene terephthalamide) (PPTA)	Poly(p-phenylene terephthalamide) (PPTA)
Form	Continuous filament yarn	Continuous filament yarn



## TYPICAL TECHNICAL PROPERTIES

Property	Test Method	Unit	SF-AF529R-1000D	SF-AF529R-1500D
Linear density	ASTM D1907	dtex	1112	1689
Tenacity at break	ASTM D7269	cN/dtex	21.8	21.7
Breaking strength	ASTM D7269	N	242.41	366.51
Elongation at break	ASTM D7269	%	3.4	3.52
Initial modulus	ASTM D7269	GPa	93	91
Finish on yarn (oil pick-up)	ASTM D2257	%	0.85	0.87

Typical values are based on test results dated 28/Nov/2025, Lot No. SF-AF529R-20251128.

## SPECIFICATION GUIDE

Property	Test Method	Unit	SF-AF529R-1000D Specification	SF-AF529R-1500D Specification
Linear density	ASTM D1907	dtex	1110 ± 5% (1055–1165)	1670 ± 5% (1587–1754)
Tenacity at break	ASTM D7269	cN/dtex	≥ 20.5	≥ 20.5
Breaking strength	ASTM D7269	N	≥ 225	≥ 355
Elongation at break	ASTM D7269	%	≥ 3.0	≥ 3.0
Initial modulus	ASTM D7269	GPa	≥ 85	≥ 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 environment away from direct sunlight. Keep packaging closed when not in use to minimize contamination and moisture pickup.

## NOTES/DISCLAIMER

The information provided is based on data believed to be reliable; however, no warranty (express or implied) is made. Values shown are typical or specification limits as indicated. End-use performance depends on fabric construction, processing, product design, environmental conditioning, and test methods. Users are responsible for determining suitability for their intended use and for ensuring compliance with applicable standards and regulations.

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