

Sinofibra Advanced Materials Co.,Ltd.

Product: SF-529V Colored — Dope-Dyed Para-aramid Continuous Filament Yarn (PPTA)

SF-529V Colored is a para-aramid (PPTA) continuous filament yarn produced by **dope-dying** (solution coloration) and positioned as a value grade for cost-sensitive industrial applications.

PRODUCT IDENTIFICATION			
Commercial Item	Denier	Linear Density (dtex)	Filament Count
SF-529V-600D	600	667	400F
SF-529V-840D	800	933	560F
SF-529V-1000D	1000	1110	667F
SF-529V-1500D	1500	1670	1000F



TYPICAL TECHNICAL PROPERTIES				
Property	Test Method	Unit	SF-529V-1000D(Typical)	SF-529V-1500D(Typical)
Linear density	ASTM D1907	dtex	1120	1702
Tenacity at break	ASTM D7269	cN/dtex	19.2	19.5
Breaking strength	ASTM D7269	N	215.04	331.89
Elongation at break	ASTM D7269	%	3.52	3.48
Initial modulus	ASTM D7269	GPa	90	88
Finish on yarn (oil pick-up)	ASTM D2257	%	0.90	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-529V-1000D Specification
Linear density	ASTM D1907	dtex	Nominal $\pm$ 5%	1110 $\pm$ 5% (1055–1165)
Tenacity at break	ASTM D7269	cN/dtex	$\geq$ 18.5	$\geq$ 18.5
Breaking strength	ASTM D7269	N	N/A	$\geq$ 205
Elongation at break	ASTM D7269	%	1.5-3.5	1.5-3.5
Initial modulus	ASTM D7269	GPa	$\geq$ 83	$\geq$ 83
Finish on yarn (oil pick-up)	ASTM D2257	%	0.6–1.2	0.6–1.2

## HANDLING AND STORAGE

Store in original packaging in a cool, dry place, away from direct sunlight and strong oxidizing agents. Avoid contamination, moisture exposure, and mechanical damage during handling and processing.

## 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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Manufacturing site is certified to ISO 9001