

Brand name: NOVAREXTM
Product code: SF-APF-51
Product designation: Para-Aramid Staple Fiber
Color: Yellow
Construction: Crimped staple fiber



Product Identification

Parameter	Detail
Polymer	Poly(p-phenylene terephthalamide) (PPTA)
Cut Length	51 mm
Manufacturing Process:	Dry-jet wet spinning, cut staple

Typical Technical Data

Item	Unit	Specification	Typical Value	Test Method
Linear Density	dtex	1.67 ± 0.15	1.67	ASTM D1577
Tenacity at Break	cN/dtex	≥ 17.5	18	ASTM D3822
Elongation at Break	%	3.5 ± 1.0	3.5	ASTM D3822
Initial Modulus	GPa	≥ 80	87.5	ASTM D3822
Cut Length	mm	51.0 ± 3.0	51	ISO 6989
Crimp Count	crimps/25 mm	10 ± 2	10	ISO 11566
Oil Content	%	0.50 ± 0.20	0.52	Internal Method
Moisture Regain	%	≤ 3.0	1	ISO 6741

Property designation to be aligned with the actual laboratory test basis (Moisture Content or Moisture Regain).

Packing Weight: 200 kg / bale

Applications

- Protective apparel and heat-resistant clothing
- Flame-resistant yarn blending
- High-performance industrial textiles

Notes

- The data shown above are typical values and are not intended for use as product specifications unless otherwise agreed.
- Product inspection data may be supplied with each shipment upon request.
- Users are responsible for determining the suitability of this product for their specific application.
- Values may vary slightly depending on production lot and testing conditions.

Disclaimer

Users should evaluate the product under their own processing and application conditions before commercial use.