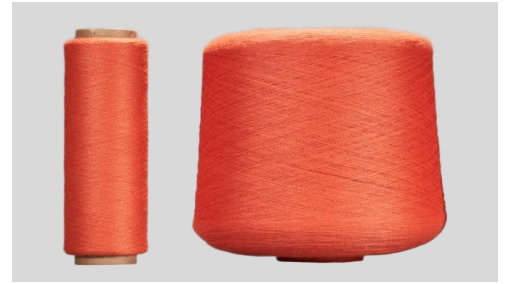


Brand name: NOVAREX™
Product code: NV-YMIIIIA-W352
Product designation: Inherently Flame-Resistant Aramid Blend Yarn
Color: Red Orange, solution dyed
Construction: Spun yarn



Product Identification

Parameter	Detail
Product Name	Inherently Flame-Resistant Siro Compact Aramid Blend Yarn
Fiber composition	93% Meta-aramid / 5% Para-aramid / 2% Antistatic fiber
Yarn Structure	Ne 35s/2 Siro Compact Spun Yarn
Nominal Linear Density	35/2 Ne (≈ 33.7 tex)
Flame Resistance	Inherent, non-migratory, no melting or dripping
Application	Protective apparel, FR fabrics, industrial textiles, antistatic workwear

Typical Technical Data

Test Item	Unit	Standard Requirement	Typical Value	Test Method
Yarn Count	Ne	35/2 Ne ±2%	35.5/2 Ne	ASTM D1059
Limiting Oxygen Index (LOI)	%	≥30.0	≥30.0	ASTM D2863
Specific Breaking Tenacity	cN/tex	≥22.0	24.9	ASTM D2256
Breaking Force	cN	≥800	841	ASTM D2256
Elongation at Break	%	18.0±3.0	20.5	ASTM D2256
CV of Breaking Force	%	≤5.0	4.29	ASTM D2256
CV of Mass per 100m	%	≤1.0	0.8	Uster Tester 8
Mass Deviation per 100m	%	±3.0%	-2.5	Uster Tester 8
Twist Level	T/m	≤80.0	71.51	ASTM D1447
CV of Twist	%	≤1.0	0.7	ASTM D1447
Moisture Regain	%	5.0–8.0	6.3	ASTM D2495
Hairiness (3mm)	—	≤20.0	19.6	Uster Tester 8
Evenness CV (Uster)	%	≤1.5	—	Uster Tester 8
Thin Places (-50%)	counts/km	≤5	—	Uster Tester 8
Thick Places (+50%)	counts/km	≤10	—	Uster Tester 8
Neps (+200%)	neps/km	≤20.0	—	Uster Tester 8

Testing Conditions: Unless otherwise specified, testing was conducted under standard atmospheric conditions in accordance with ISO 139.

Packing

12 cones/carton; carton size: 60 × 41 × 40 cm; 20 cartons/pallet.
 Net weight: approx. 20 kg/carton; Gross weight: approx. 24 kg/carton.

Applications

- Continuous service temperature: 200 °C
- Short-term heat resistance: 300 °C
- Good resistance to acids, alkalis and organic solvents
- Color fastness to washing: 4–5 (ISO 105)

Disclaimer

The information provided in this document is believed to be reliable based on current knowledge and experience. However, it is offered solely for evaluation and reference and does not constitute a warranty, guarantee, or specification of product performance for any particular application.