

Brand name: Novarex®
Product code: META-ARAMID SEWING THREAD
Product designation: NV-YMS203
Color: Meta-Aramid Sewing Thread
Construction: Spun, plied sewing thread



Product Identification

Parameter	Detail
Product Name	Meta-Aramid Sewing Thread
Fiber composition	100% Meta-Aramid
Yarn Structure	20/3 Ne spun sewing thread

Typical Technical Data

Test Item	Unit	Standard Requirement	Typical Value	Test Method
Thread Count	Ne	20/3 ± 3%	20/3	ASTM D1059
Linear Density	dtex	932 dtex ± 2%	930.2	ASTM D2863
Breaking Force	cN	≥2400	2459	ASTM D2256
Breaking Elongation	%	32%-38%	34	ASTM D2256
Abrasion Resistance	cycles	≥12,000	15,000	ASTM D4966
Tensile CV	%	≤5.0%	3.48	Uster Tester 8
Evenness CV	%	≤ 8.0%	6.5	Uster Tester 8
Hairiness	—	≤ 6.0	5.0	Uster Tester 8
Final Twist Direction	—	Z	Z	Uster Tester 8

Thermal & Fire Performance

Test Item	Unit	Standard Requirement	Typical Value	Test Method
Limiting Oxygen Index (LOI)	%	≥28.0	30	ISO 4589-2
Shrinkage (300 °C/15min)	%	≤ 1.0	1.0	ASTM D2594

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

Packing

- Carton size: 60 x 41 x 48 cm
- Gross weight: 23.8 kg/carton
- Net weight: 20 kg/carton

Applications

- Flame-resistant workwear (compliant with EN ISO 11612, NFPA 70E)
- Protective apparel for firefighting, welding, and industrial safety
- Heat-resistant textile assemblies and filtration media

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.