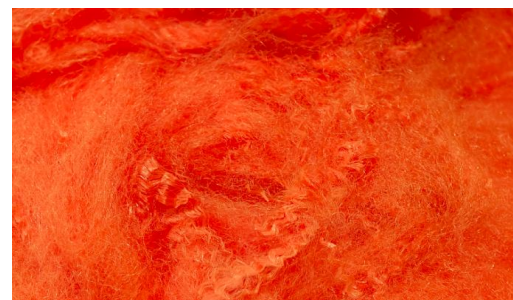


Brand name: ARAWIN
Product code: SF-AMS-RO51
Product designation: Meta-Aramid Staple Fiber
Color: Red Orange
Construction: Crimped staple fiber


Product Identification

Parameter	Detail
Polymer	Poly(m-phenylene isophthalamide) (MPIA)
Cut Length	51 mm
Manufacturing Process:	Dry spinning, cut staple

Typical Technical Data

Item	Unit	Specification	Typical Value	Test Method
Linear Density	den	1.60 ± 0.15	1.6	ASTM D1577
Tenacity	g/den	≥ 4.3	4.8	ASTM D3822
Elongation at Break	%	40.0 ± 7.0	44.6	ASTM D3822
Number of Crimps	ea/inch	10.0 ± 1.5	10	JIS L 1074
Shrinkage (300°C × 20 min)	%	≤ 3.0	0.5	Internal Method
Oil Pick-Up	%	0.400 ± 0.100	0.398	JIS L 1074
Moisture Content	%	7.500 ± 1.500	7.028	KS K 0220
Cut Length	mm	51.0 ± 3.0	50.9	JIS L 1074

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

Packing Weight: 280 kg / bale

Applications

Suitable for flame-resistant nonwovens, thermal insulation, protective apparel blends, filtration media, and industrial textile applications.

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.