

KIRAN ENTERPRISE

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NYLON 66 INDUSTRIAL WOVEN TAPE – TECHNICAL DATASHEET

Product Overview

Nylon 66 industrial woven tape manufactured using controlled weaving processes to ensure consistent mechanical properties, dimensional stability, and surface finish. Suitable for reinforcement and load-bearing applications in hose manufacturing and industrial systems.

Material Specification

Parameter	Specification	Test Standard
Material	Nylon 66	AATCC TM20
Yarn Denier	225D	ASTM D1059
Melting Point	260°C	ASTM D7138

Mechanical Properties

Parameter	Value	Test Standard
Breaking Strength	550.5 kgf (~5.4 kN)	IS 1969
Elongation at Break	28.5%	IS 1969
Yarn Strength	1650 gf	ASTM D2256
Yarn Elongation	18.5%	ASTM D2256

Thermal Properties

Parameter	Value	Condition
Heat Shrinkage (Lengthwise)	-5.9%	150°C / 4 hrs
Heat Shrinkage (Widthwise)	-2.8%	150°C / 4 hrs

Dimensional Specifications

Parameter	Range
Width	50 mm
Roll Length	500 meter
Thickness	0.036 mm
MOQ	25,000 meters

Applications

• Hose reinforcement • Rubber calendaring • Conveyor belts • Industrial strapping • OEM

fabrication

Manufacturing & Supply

• In-house weaving production • Batch-controlled manufacturing • Consistent quality • Custom widths available

Testing & Validation

Tested at SASMIRA (Govt. of India approved laboratory). Complies with IS 1969 & ASTM standards.