



STRETCH FILM / TECHNICAL DATA SHEET

EVERGREEN NANOFORCE STRETCH FILM

Ultra-thin stretch wrapping film with balanced tensile, elongation, elastic recovery and puncture performance.

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NOMINAL GAUGE 11 microns NOMINAL WIDTH 500 mm REFERENCE Q/HSYD 002-2021	
PROPERTY	STANDARD REQUIREMENT
PRODUCT IDENTIFICATION	
Product name	EVERGREEN NANOFORCE Stretch Film
Product type	Stretch wrapping film
Reference standard	Q/HSYD 002-2021
Supply form	Roll film; roll length, core, net weight and winding direction subject to approved order specification
NOMINAL DIMENSIONS AND QUALITY	
Nominal thickness	11 microns (0.011 mm)
Nominal width	500 mm
Width tolerance	+/- 4 mm; reference batch measured width: 499 mm
Average thickness deviation	+/- 8%; reference batch result: 1.82%
Unit-area weight deviation	+/- 10%; reference batch result: 2.0%
Appearance	Uniform and compliant with the approved visual quality standard
TENSILE AND ELONGATION PERFORMANCE	
Tensile strength - MD	>= 30 MPa; reference batch result: 40.5 MPa
Tensile strength - TD	>= 17 MPa; reference batch result: 19.8 MPa
Elongation at break - MD	>= 400%; reference batch result: 412%
Elongation at break - TD	>= 600%; reference batch result: 830%
ELASTIC AND LOAD-HOLDING PERFORMANCE	
Permanent deformation	< 55%; reference batch result: 42%
Elastic recovery	>= 45%; reference batch result: 58%
Load retention	>= 70%; reference batch result: 76%
F-force	>= 2.5 N; reference batch result: 3.0 N
PUNCTURE PERFORMANCE	
Puncture breaking force	>= 18.0 N; reference batch result: 19.5 N
Puncture elongation	>= 80.0 mm; reference batch result: 83.6 mm
REFERENCE INSPECTION DATA	
Reference batch	260601
Production / inspection date	14 June 2026
Report issue date	24 July 2026
Reference inspection status	PASS

TYPICAL APPLICATIONS Pallet unitization, load stabilization, transport wrapping, bundling and protective overwrap for compatible goods.

TECHNICAL NOTE Reference results are from batch 260601 and are not guaranteed values for every production lot. Final roll configuration, test methods, performance limits and end-use suitability are governed by the approved customer specification and applicable quality documents.