

Machine Pallet Wrap



Description

Machine pallet wrap is a stretchable polyethylene film applied by turntable, rotary-arm or orbital pallet wrapping machines to secure and stabilise palletised loads for storage and transit. The range covers Invictus NANO multi-layer film (for power pre-stretch machines), Invictus standard and pre-stretch (E-Stretch) film, and spiral wrap, in a range of widths, thicknesses, stretch percentages and colourways.

The full range is manufactured for KB Packaging by the same raw material supplier as MPW15IF and MPW23PPS, and carries 30% recycled content per that supplier's product data — see the range table and Regulatory & Environmental Compliance section below.

Key Features

- High-strength Invictus NANO multilayer film for power pre-stretch machines — less film used per pallet
- Power pre-stretch films deliver 250–400% stretch, reducing film consumption and cost per pallet
- Pre-Stretch (E-Stretch) film option for light loads, applying with very low tension
- Available in clear, black, blue and white colourways, plus an anti-static grade
- Spiral wrap options for pallet-edge reinforcement and load stabilisation
- 30% recycled content across the range, per the raw material supplier's product data

Specification

Type	Machine Pallet Wrap (stretch film)
Material	Linear Low Density Polyethylene (LLDPE) / Cast LDPE
Film Grades	Invictus NANO (multilayer), Invictus Standard, Invictus Pre-Stretch (E-Stretch), Spiral Wrap
Roll Widths	125mm – 500mm, depending on grade
Thickness Range	6mu – 34mu, depending on grade
Stretch Range	150% – 400%, depending on grade
Recycled Content	30%, per the raw material supplier's product data
Recyclable	100% Recyclable. It is the responsibility of the user to dispose of correctly.

Available Range

Current SKUs and pack configurations as listed on kbpackaging.com/product-category/pallet-stability/machine-pallet-wrap/:

KB SKU	Width	Thickness	Stretch / Grade	Pack	Recycled Content
MPW10IF	500mm	10mu	Invictus NANO — 280% Stretch	46 Rolls/Pallet	30%
MPW12IF	500mm	12mu	Invictus NANO — 300% Stretch	46 Rolls/Pallet	30%
MPW12STD	500mm	12mu	Invictus — 170% Stretch	46 Rolls/Pallet	30%
MPW15IF	500mm	15mu	Invictus NANO — 300% Stretch	46 Rolls/Pallet	30%
MPW15PPS	500mm	15mu	Invictus — 300% Stretch	46 Rolls/Pallet	30%
MPW17PPS	500mm	17mu	Invictus — 300% Stretch	46 Rolls/Pallet	30%
MPW17PPS-BL	500mm	17mu	Invictus — 300% Stretch, Blue	46 Rolls/Pallet	30%
MPW17STD	500mm	17mu	Invictus — 150% Stretch	46 Rolls/Pallet	30%
MPW17STD-AS	500mm	17mu	Invictus — 150% Stretch, Anti-Static	46 Rolls/Pallet	30%
MPW20PPS-WH	500mm	20mu	Invictus — 250% Stretch, White	46 Rolls/Pallet	30%
MPW20STD	500mm	20mu	Invictus — 150% Stretch	46 Rolls/Pallet	30%
MPW23PPS	500mm	23mu	Invictus — 250% Stretch	46 Rolls/Pallet	30%
MPW23PPS-WH	500mm	23mu	Invictus — 250% Stretch, White	46 Rolls/Pallet	30%
MPW23PPS-BLK	500mm	23mu	Invictus — 300% Stretch, Black	46 Rolls/Pallet	30%
MPW23STD	500mm	23mu	Invictus — 150% Stretch	46 Rolls/Pallet	30%
MPW23STD-BLK	500mm	23mu	Invictus — 150% Stretch, Black	46 Rolls/Pallet	30%
MPW4307E	450mm	6mu	Invictus Pre-Stretch (E-Stretch), 3000m	46 Rolls/Pallet	30%
SPWBL	125mm	23mu	Spiral Wrap, Blue Tint, 900m	92 Rolls/Pallet	30%
SPW25020C	250mm	20mu	Spiral Wrap, Clear, 8kg/Roll	92 Rolls/Pallet	30%
SPW25020W	250mm	20mu	Spiral Wrap, White, 8kg/Roll	92 Rolls/Pallet	30%
SPW25034C	250mm	34mu	Spiral Wrap, Clear, 8kg/Roll	92 Rolls/Pallet	30%

Regulatory & Environmental Compliance

Machine pallet wrap is manufactured for KB Packaging by the same raw material supplier as MPW15IF and MPW23PPS. The declarations and certification below apply across that supplier's stretch-film range and confirm the following current baseline, effective from 12 August 2026 under the EU Packaging and Packaging Waste Regulation (EU) 2025/40 (PPWR):

REACH (EC 1907/2006)	Materials do not contain Substances of Very High Concern (SVHC) from the current ECHA Candidate List above 0.1% w/w. (KB Packaging Declaration of Conformity, 29 Jul 2026)
PPWR (EU) 2025/40	The pallet stability range (stretch wrap) meets PPWR, applicable from 12 Aug 2026, replacing Directive 94/62/EC. (KB Packaging Declaration of Conformity, 29 Jul 2026)
PFAS	No per- and polyfluoroalkyl substances (PFAS) are intentionally added, per KB Packaging's Statement on PFAS (29 Jul 2026) and the raw material supplier's own PFAS

	Declaration (26 Jun 2026).
RoHS 2011/65/EU (as amended by (EU) 2015/863)	Intertek test report JKTH26002117 (Jul 2026) on the supplier's LLDPE stretch film: heavy metals, PBBs, PBDEs and phthalates all Not Detected, within RoHS limits.
Recycled Content	30% recycled pre-consumer polyethylene / 70% polyethylene, per Control Union GRS v4.0 / RCS v2.0 Scope Certificate CU1495316MUL-2026-00022247 (valid to 03 Mar 2027).
Recyclability	100% recyclable in line with EN 13430, subject to local recycling infrastructure; correct disposal remains the responsibility of the end user. (KB Packaging Declaration of Compliance, 29 Jul 2026)

The supplier states that independent, third-party verified laboratory testing supporting these claims is retained on file, and that equivalent material compliance is maintained across its manufacturing network via unified recipe controls and standardised resin procurement.

Source Documents

- Machine Pallet Wrap product listing, kbpackaging.com/product-category/pallet-stability/machine-pallet-wrap/ (KB SKUs and pack sizes)
- KB Packaging Declaration of Conformity to REACH and PPWR — 29 July 2026
- KB Packaging Statement on PFAS — 29 July 2026
- KB Packaging Declaration of Compliance (all products) — 29 July 2026
- PFAS Declaration/Statement — raw material supplier, 26 June 2026
- RoHS Test Report No. JKTH26002117 — Intertek, dated 21 July 2026
- GRS (v4.0) / RCS (v2.0) Scope Certificate No. CU1495316MUL-2026-00022247 — Control Union Certifications, valid until 3 March 2027

Note: KB Packaging is not the end user of the packaging materials it supplies. Confirming the suitability of a specific SKU for a specific application, and compliance with any additional market-specific requirements, remains the responsibility of the end user.