



Stretch Film

The stretch film business of SciPack occupies a combined built-up area of nearly 85,000 sq ft. Machineries are housed in two modern manufacturing facilities within the vicinity of Port Klang, Malaysia’s premier port.

Operations began in early 1997 with a capacity of 8,000 MT per annum and further expansion over the years enabled the capacity to grow to a current capacity of 60,000 MT per annum. Stretch film is made on state-of-the-art cast film production equipment from the USA. Ranging from 2500mm to 3000mm width, these machines utilise the latest technologies for controls, extrusion and winding capability with on-line gauging systems to produce stretch films for a variety of performance specifications and sizes. Automated roll handling equipment, for roll change and removal, are installed on all the cast machines to enable efficient end-line operations. High-speed rewinding machines from Europe are utilised for the conversion to hand wrap products, producing in excess of 30,000 rolls per day.

The product range includes hand wrap, standard machine wrap and power pre-stretch machine wrap in various film width and thickness. Film used for specialty applications such as UV film, banding film and silage film is custom-made. Colour stretch film is also available in opaque black, opaque white, blue tint, green tint and red tint.

SciPack is committed towards providing competitive good quality stretch wrap packaging materials for both domestic as well as global markets.

Quality Assurance System

Scientex Packaging Film’s plants have been ISO 9001:2000 certified since 2002 and inherent to quality control is the utilization of the Highlight Testing equipment to measure film quality and performance. Superseding traditional tensile testing methods, the Highlight Testing equipment uses full width rolls to simulate performance to similar pre-stretching mechanisms and rotating speeds of commercial wrapping machines in the market place.



Scientex stretch film manufacturing plant, Port Klang, Malaysia.



Scientex quality control measures.

High Performance Power Pre-Stretch Film Specs

THICKNESS (MICRONS)	ROLL WIDTH (MM)	METERS PER ROLL	CORE ID (INCHS)	ROLL WEIGHT ***	PRE-STETCH CAPABILITY	ROLLS PER PALLET
HIGH PERFORMANCE 15UM	500MM	2175 M	3”	15 KG	UP TO 280 – 300%	50
HIGH PERFORMANCE 17UM	500MM	1920 M	3”	15 KG	UP TO 280 – 300%	50
HIGH PERFORMANCE 20UM	500MM	1630 M	3”	15 KG	UP TO 280 – 300%	50
HIGH PERFORMANCE 23UM	500MM	1420 M	3”	15 KG	UP TO 280 – 300%	50
HIGH PERFORMANCE 25UM	500MM	1305 M	3”	15 KG	UP TO 280 – 300%	50
HIGH PERFORMANCE 30UM	500MM	1086 M	3”	15 KG	UP TO 280 – 300%	50

*** Film weight only does not include core. Core weight 1.06 kg



Stretch Film | Machine Wrap Menu

Application	Requirements	Machine Type	Gauge	Typical Stretch	Recommended MW
Material Packed in Sacks/Bags eg Cement, chemical products, sugar, salt, flour, manure etc	Load stability, protection of load	Simple Semi-Automatic Automatic	>23um	<200%	Power Stretch Super Power Stretch
Building Materials eg Bricks, concrete blocks, ceramic tiles, roofing tiles etc	Load stability, resistance to perforation and tearing	Simple Semi-Automatic Automatic	>23um	<200%	Power Stretch Super Power Stretch High Performance Stretch
Kitchenware eg Glassware, ceramics, plates, etc	Load stability, film transparency	Semi-Automatic Automatic	>20um	<200%	Standard Stretch Power Stretch Super Power Stretch High Performance Stretch
Consumer Goods (Light, Compressible) eg Biscuits, potato chips, instant noodle, toilet paper, tissue, tobacco	Stable load without crushing goods, transparency	Semi-Automatic Automatic Overhead Rotary	>17um	<250%	Standard Stretch Power Stretch Super Power Stretch High Performance Stretch
Consumer Goods (Heavy) eg Bottled products, detergent, milk, tinned products, packaged foodstuff, etc	Resistance to perforation and tearing, transparency	Semi-Automatic Automatic Overhead Rotary	>20um	<250%	Power Stretch Super Power Stretch High Performance Stretch
Paperboard and Cardboard Products eg Books, magazines, newspaper, etc	Protection from water, resistance to tearing at corners, transparency	Semi-Automatic Automatic Overhead Rotary	>20um	<250%	Power Stretch Super Power Stretch
Freight Parcels eg Air cargo, courier service, distribution, etc	Load stability, ability to handle various shapes, resistance to tearing/puncture	Simple Semi-Automatic Automatic	>17um	<200%	Standard Stretch Power Stretch Super Power Stretch
Hardware eg spare parts, industrial tools, paint, metal parts, etc	Load stability, ability to handle various shapes, resistance to tearing/puncture	Simple Semi-Automatic Automatic	>25um	<200%	Power Stretch Super Power Stretch High Performance Stretch
Empty Containers eg PET bottles, aluminium cans, glass bottles, etc	Stable load without crushing goods, transparency, protection from contamination, one-side-cling	Semi-Automatic Automatic Overhead Rotary	>17um	<200%	Standard Stretch Power Stretch Super Power Stretch

