

Product Information - PLANTIC™ FX Flexible

PLANTIC™ FX is a 3-layer flexible packaging material that can be used on high-speed thermoforming or conventional packaging lines.

High Barrier Flexible



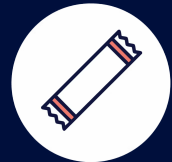
Made from high amylose starch, a renewable resource that will lower your packaging greenhouse gas emissions.



Polyethylene/Plantic/Polyethylene is suitable for packaging fresh produce including Meat, Chicken, Fish & Seafood, Small goods, Fresh Pasta and Cheese



High sealing strength combined with reduced weight for any type of application



Ultra-low Gas Barrier Transmission providing extended shelf life, compliments high value ambient stable or fresh food products inhibiting gas exchanges.

APPLICATIONS

PLANTIC™ FX is suitable for a variety of industrial flexible packaging applications. Can be used on readily available thermoforming packaging machines.

QUALITY

Plantic manufacturing location in Australia is accredited to Food Safety System Certification 22000 (FSSC 22000).

FOOD COMPLIANCE APPROVAL.

This product meets the requirements of Federal Food, Drug and Cosmetics Act. This includes FDA Food Types, as defined in 21CFR176.170(c), III, IVA, V, VIIA, VIII and IX for conditions of use E through G.

THERMAL CHARACTERISTICS

Property	Value	Units
Sealing temperature	120-160	°C

PRODUCT CHARACTERISTICS

Thickness Range (Plantic Layer)	90-300um
Roll Width Range	423-960mm (+/- 1mm) *

* For any other thickness, width, or Colour requirements, please contact Plantic Technologies Ltd.

TECHNICAL DATA

Barrier Properties

Property	Test Method	Value	Units
Water Vapour Transmission Rate	ASTM F1249-01	3.1-5.2	$\text{g/m}^2/24\text{h}$ @ 38°C and 90% RH
Oxygen Transmission Rate	ASTM F1927-98	0.2-0.7	$\text{cm}^3/\text{m}^2/24\text{h}$ @ 23°C, 50%RH

Physical properties

Property	Test Method	Value	Units
Tensile Modulus	ASTM D882	1530	MPa (23°C and 50%RH)
Tensile Strength	ASTM D882	27	MPa (23°C and 50%RH)
Elongation at break	ASTM D882	93	% (23°C and 50%RH)
Coefficient of Friction (Glass)	ASTM D1894	0.22	150mm/min
Coefficient of Friction (Glass)	ASTM D1894	0.19	150mm/min
Impact Strength	ASTM D3420	30	$\text{mN}/\mu\text{m}$ (23°C and 50%RH)
Seal strength		>22	N/15mm



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