



TCL Packaging's EarthFilm® is a range of compostable and sustainably sourced alternatives to standard petrochemical based plastic films.

TCL's EarthFilm® materials behave and look like plastic but at the end of their lifecycle they are compostable.

In today's environmentally aware world we understand that packaging must do more than package, protect and contain. It must do this in a way that is sustainable. At TCL Packaging we are at the forefront of innovation with our EarthFilm® compostable solutions which are designed to complement our already environmentally sound product portfolio.

The cutting edge technology offered by EarthFilm® makes it suitable for a wide variety of applications and can dramatically increase a brand's green credentials. Conscious about the carbon footprint of your current packaging solution? Are your customers demanding bioplastic alternatives? EarthFilm® is the perfect choice!



Biodegradable & Compostable



High-density print up to 150 screen



Cellulose, PLA, PBS and metallised Options



High barrier and antifog options. Grease, water and moisture resistant



Ambient, Frozen or Chilled Application



Wide variety of formats - VFFS, HFFS, Pouch/Bag, Lidding



Wide Sealing Capability - low initiation temperature



Choose EarthFilm® for Compostable Applications

The primary purpose of plastic packaging film is to protect and contain and inform in order to prevent other negative environmental impacts such as food waste. EarthFilm® films are designed to be controlled life products which breakdown at the end of their lifecycle and have been designed to complement, rather than replace, our existing film products. EarthFilm® is the result of extensive technical development and research with performance that matches conventional film types but with added ecological benefits. This makes EarthFilm® an ideal choice for customers with specific environmental requirements.

TCL Film code	36CS-01	41CHS-01	56CHS-01	51MS-01	57PS-01	62PHS-01	77PHS-01
Description	Clear Cello/PLA	Clear Cello/PBS	Clear Cello/PBS	Clear Cello/Met Cello	Paper/PLA	Paper/PBS	Paper/PBS
Technical Datasheet	TMS155	TMS156	TMS157	TMS162	TMS159	TMS160	TMS161
Appearance	Clear	Clear	Clear	Metallised	White Paper	White Paper	White Paper
Overall thickness	36	41	56	51	57	62	77
Overall g/m²	48.6	55	73.5	73	45.6	52	70.5
Overall OTR	1	1	1	0.3	1,395	1,481	1,265
Overall WVTR	19	18	17	7	630	139	100
Seal temp (°C)	93	80-120	80-120	115	93	80-120	80-120
Seal strength (A-A)	14 N/25mm	>12 N/25mm	>18 N/25mm	22.5 N/25mm	14 N/25mm	>12 N/25mm	>18 N/25mm
Anti-fog	X	X	X				
VFFS	X	X	X	X	X	X	X
HFFS		X	X	X		X	X
Lidding		X	X			X	X
Pouch		X	X		X	X	X
Lap Seal		X	X	X			
Fin Seal	X	X	X	X	X	X	X
EN13432 Certified		X	X				

- Compostable flexible packaging is a credible alternative for non-recyclable packaging constructions and to add green credentials to environmentally sensitive brands.
- Available across all lidding and form, fill and seal and pre-made pouch applications utilising your existing packing equipment.
- Wide range of material options including PLA, PBS, metallised and paper.
- Suitable for dry and moist food stuffs and non-food applications.
- Anti-fog features can be incorporated for improved on-shelf appearance and permeability (oxygen and moisture barrier) can be tailored to aid shelf life extension.
- Available in a wide range of thicknesses from 36mu to 77mu with a wide sealing range and low seal initiation temperatures.
- Can be used in ambient, frozen and chilled applications.
- All raw materials are certified compostable. Some finished laminates are also certified to the EN13432 composability standard.

Our commitment goes beyond the products we develop, manufacture and supply. As a responsible and ethical supply partner TCL Packaging is dedicated to continuous improvement in all aspects of our operations including the minimisation of our impact on the environment. We take seriously the obligation to be stewards of the welfare and interests of the communities in which we operate.

Who we are

TCL Packaging is a leading independent printer and converter of packaging films. We produce films for all types of food and non-food applications. Printed and plain reel films are supplied by us to converters, packers and manufacturers. Our long serving expert team aims to achieve excellence in every product that leaves our factory in Telford, Shropshire, UK.

The information and recommendations contained in this information leaflet are, to the best of our knowledge, accurate and reliable but no guarantee of their accuracy is made. All products are sold upon condition that purchasers shall make their own tests to determine the suitability of such products for their particular purposes and uses and purchaser assumes all risks and liability

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