

OvenFlex®

High Temperature Ovenable Films



TCL Packaging is a market leader in printed ovenable films. Printed in high-definition, TCL's OvenFlex® films are suitable for ultra-high cooking temperatures for all food types cooked in either conventional or microwave ovens.

OvenFlex® was the first ovenable film to be successfully tested by Smithers Pira for ovenable food safety performance up to 225°C 435°F, exceeding the requirements of current EU Regulation (EC) No. 1935/2004. Innovative new inks and print techniques have been used to achieve high-density, up to 150 screen that maintains stability and full integrity at high temperatures.

Printed OvenFlex® films are available in reel form or as stand-up pouches. They can be used for the safe higher temperature cooking of most food types including roast vegetables, fish and meats. For laminate structures and lidding films, the adhesive is also an important part of the specification process. OvenFlex® laminate ovenable films have been comprehensively tested too.



PET Substrate



Consistent cooking results each and every time in microwave or oven



Certified for use up to 225 deg.C for 90 minutes



Protects against microbial contamination



Ultra cooking convenience use straight from frozen or chilled



No mess cooking reduces cleaning and improves hygiene



Control of moisture and tailored steam release options



Choose OvenFlex® for Ovenable Applications

At TCL Packaging we understand the pace of change in consumer applications. People's lives are continually changing. The way we live and work is constantly evolving, as are our wants and tastes. The importance of creative thinking, rapid response in development and flexibility can provide an edge in today's competitive market place. Ovenable films are growing in popularity but not all packaging buyers are aware of the complex chemical and molecular behaviours of this type of printed ovenable film under extremely high temperatures. TCL Packaging's technical team provide a comprehensive package of design and development services for each specific application working hand in hand with food producers and retailers to ensure each food product has the right specification of OvenFlex® film to suit its application.

TCL Film code	34HT200	34HT225	55HT200
Description	12PET/20PET	12PET/20HBPET	23PET/30PET
TDS	TMS144	TMS150	TMS093
Max oven temp. (°C)	200	225	200
Thickness	34	34	55
Overall g/m ²	46.8	46.8	75.6
OTR	51	3	35
WVTR	13	2	8
Seal temp (°C)	130-220	130-220	140-220
Seal strength (A-A)	4 N/25mm	4 N/25mm	10 N/25mm
Fin / Lap seal	Fin / (Lap) seal	Fin / (Lap) seal	Fin / (Lap) seal
Typical use	Flow-wrap	Extra high temp Flow-wrap	Doy pouch

- Ultra convenient cooking from frozen, chilled or ambient to oven for up to 90 minutes at 225 deg. C.
- Available across all lidding and form, fill and seal and pre-made pouch applications.
- Enhanced food safety and hygiene - raw proteins can be cooked in the oven without direct handling until they are cooked and ready to be served.
- Prevents cross contamination and no-mess cooking reduces time consuming oven cleaning.
- Cooking results are enhanced through moisture control and the incorporation of tailor made steam venting solutions.
- Seals to itself and most RPET, APET and CPET trays.
- Anti-fog features can be incorporated for improved on-shelf and cooking visibility.
- Compliant and safe to use - OvenFlex® is stringently tested and certified by Smithers Pira and is compliant to EU 10/2011 and EC 1935/2004.

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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