

# Topaz TC L-445

## DATA SHEET

### Product Definition

High Barrier Ovenable Lidding Film & Pouches

### Special Features

- Weld Seals to TC forming webs & CPET/APET trays
- Seals through product residue
- High Oxygen barrier
- Can be reverse / trap printed
- From freezer to oven direct use
- Good moisture barrier properties
- Excellent transparency, gloss and clarity
- Self venting – no need to pierce the film
- Good tear and puncture resistance

Properties	ASTM	Units	Typical Values	Tolerance
Thickness		μ (mil)	45 (1.8)	±8%
Yield		m <sup>2</sup> /Kg (msi/Lb)	18.67 (13.07)	±8%
Haze	D-1003	%	7.8	±10%
Clarity	D-1746	%	88	±10%
C.O.F (in-in) Static - Dynamic	D-1894		0.53-0.4	
<b>Mechanical</b>				
Tensile Strength	MD	D-882	N /mm <sup>2</sup>	±15%
	TD		(psi)	±15%
Tensile Load	MD	D-882	N	±15%
	TD			±15%
Elongation	MD	D-882	%	±15%
	TD			±15%
Impact Spencer	D-3420	g	2300	±15%
Puncture Energy	Plastopil Method	Nmm	105	±15%
<b>Barrier</b>				
OTR (Oxygen) 23°C (73°F), dry	D-3985	cc/m <sup>2</sup> /day (cc/100 in <sup>2</sup> /day)	4 (0.26)	
WVTR (water vapour) 38°C (100°F), 90% rh	E-96	g/m <sup>2</sup> /day (g/100 in <sup>2</sup> /day)	13 (0.84)	

### Processing & Storage

- Sealing temperature of 150°C-210°C (302°F-410°F).
- Recommended storage conditions: 15°C-25°C (59°F-77°F) in a dry place, away from direct sunlight.
- Maximum storage time from point of unloading of goods to be 12 months, if stored as recommended.

### Usage Conditions

- Recommended usage temperature from -20°C (-40°F). Can be oven heated up to 200°C (392°F) for 2 hours.
- A head space of about 1/3 of the package volume must be kept in order to guarantee the film doesn't stick to the product.
- During heating / cooking the packages need to be placed on a tray, and not directly on a net or on the oven bottom.
- After heating, please wait for 2-3 minutes before opening.

\*Some values may change.

**Note:** Film complies with FDA & EC relevant regulations – food grade film. The information contained herein is to the best of our accurate knowledge, but since the circumstances in which it may be used are beyond our control, we do not accept the liability for any loss or damage that may occur. The values indicated in the table only describe typical properties, but do not constitute specification limits. It is the customer responsibility to ensure that the product is suitable for its own particular purpose.