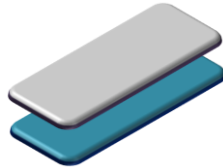




**TECHNICAL DATA SHEET**

**METALLIZED THERMOFORMABLE PET FILM**

**IMP291**



Metallized layer

Transparent polyester core

Metallized biaxially oriented polyester film, one side corona treated, specially designed for shallow draw thermoforming and embossing packaging applications. IMP291 can also be used for printing and lamination in flexible packaging applications. IMP291 is recommended to be laminated with a sealant layer where the final structure has a shallow draw thermoformed structure.

**PRODUCT FEATURES**

- Suitable for Shallow Drawing (Low height thermoforming)
- Excellent gloss and transparency
- Reduced film thickness enables waste reduction
- Recyclable

**APPLICATIONS**

In combination with a sealant layer IMP291 can be used in

- Trays, packs and lids
- Fresh and frozen food applications (small goods, vegetables, pasta etc.)
- Medical packs and pouches
- Any other packaging application where low depth is required

PROPERTIES	TEST METHOD	UNITS	IMP291	IMP291
<b>GENERAL</b>				
Thickness	Internal	ga	72	88
Density	Internal	g/cm <sup>3</sup>	1.39	1.39
Yield	Internal	lb/ream	15.4	18.8
	Internal	in <sup>2</sup> /lb	28100	23000
<b>OPTICAL</b>				
Gloss	max	ASTM D-2475	%	35
Optical Density	Internal		2.4 +/- 0.2	2.4 +/- 0.2
<b>MECHANICAL</b>				
Tensile Strength	MD	ASTM D-882	psi	> 26000
	TD	ASTM D-882	psi	>29000
Elongation to Break	MD	ASTM D-882	%	> 110
	TD	ASTM D-882	%	> 100
Coefficient of Friction	Dynamic	ASTM D-1894	A/B	0.30 - 0.50
<b>BARRIER</b>				
Water Vapor Transmission Rate	(100°F/90% RH)	ASTM E1249	g/100in <sup>2</sup> /24h	0.06
Oxygen Transmission Rate	(73°F/0% RH)	ASTM D3985	cc/100in <sup>2</sup> /24h	0.06

**Guidelines for use**

Due to the diversity of thermoforming processes, it is essential to control temperatures well during the process for correct and repeatable results. Excessive temperature use will result in over-shrinkage and damage to the metallized appearance and barrier properties.

**Guidelines for storage**

IMP291 should be stored at 64 - 86°F in its original wrapping and away from sources of direct sunlight. IMP291 should be consumed within 6 months of receipt. Allow film to reach operating room temperature 24h before use.

*FDA Compliance: For information regarding food contact compliance, please contact your Impak Films representative*

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