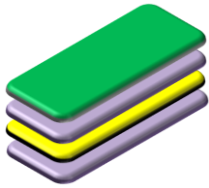




TECHNICAL DATA SHEET

TRANSPARENT HIGH OXYGEN BARRIER POLYESTER FILM

IMP661



Chemical coated surface
Modified skin layer
Transparent PET core
Modified skin layer

A transparent PET film with high oxygen barrier and transparency. IMP661 offers superior mechanical properties and flex crack resistance in laminates. IMP661 can be used as a substitute for traditional transparent barrier films like PVdC / acrylic coated films and multilayer co-extruded films in flexible packaging.

PRODUCT FEATURES

- Excellent oxygen barrier
- Superior flex crack resistance
- Halogen free chemical coated surface for printing and lamination
- Excellent surface gloss and high transparency

APPLICATIONS

- Substitute for PVdC / Acrylic coated flexible films
- Substitute for multilayer co-extruded barrier films
- Barrier layer in laminates for cheese, meat, nuts, cereals, flavored powdered and processed foods

PROPERTIES		TEST METHOD	UNITS	IMP661
GENERAL				
Base Web Thickness		Internal	ga	47
Yield		ASTM D1505	lb/ream	10.0
		Internal	in ² /lb	41800
Treatment Level	Chemical side	ASTM D-2578	dyne/cm	48
	Plain side			42
Haze		ASTM D-1003	%	3.5
Coefficient of Friction (CoF)	A-B	ASTM D-1894	Static	0.80
	A-B		Kinetic	0.65
MECHANICAL				
Tensile Strength (minimum at break)	MD	ASTM D-882	psi	27000
	TD	ASTM D-882	psi	27000
Elongation to Break (minimum at break)	MD	ASTM D-882	%	100
	TD	ASTM D-882	%	90
THERMAL				
Max. Shrinkage (300°F/30 min)	MD	ASTM D-1204	%	2.4
	TD	ASTM D-1204	%	0.4
BARRIER				
Oxygen Transmission Rate	(73°F/0% RH)	ASTM D3985	cc/100in ² /24h	< 0.26

Guidelines for storage

Temperature should be less than 86°F and humidity 55±5% in storage areas. Material should be consumed within 6 months of receipt. Allow film to reach operating room temperature 24h before use.

Printing & Lamination

It is recommended to print on the chemically coated side of the film when used in a laminate structure. Vinyl ester based and NC/PU based inks offer good adhesion performance but advice should be taken from your ink supplier.

When laminating this material, the use of a lamination film free from migratory additives may give improved results.

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

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