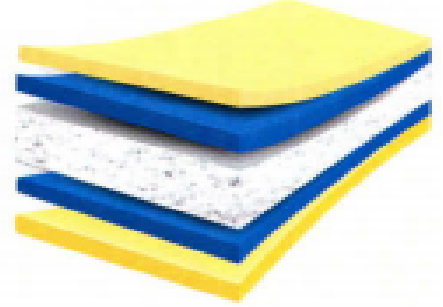


## ICO PEARL MTZ

# White Voided Pearlized Metalized Coextruded Bi-oriented Polypropylene Film

Metalized treated layer \_\_\_\_\_  
 OPP intermediate layer \_\_\_\_\_  
 White voided OPP Core \_\_\_\_\_  
 OPP intermediate layer \_\_\_\_\_  
 Heat sealable layer \_\_\_\_\_



### Main Characteristics

- pearlescent appearance with excellent opacity
- Excellent moisture barrier properties
- High gas & light barrier property
- Heat sealable on non-metalized side
- High protection against light
- Excellent shelf life

### Typical Applications

- Low thickness film is typically laminated on the metalized side with ICO EX (for example , chips and snacks packaging )
- Rotogravure and flexographic printing
- The film is suitable for deep freeze as low as - 30 C

### Packing

	Core diameter	Outer diameter	Note
Vertical	152 mm (6") 76 mm (3")	≤ 550 mm	≤ 700 mm – two or more rows >700mm - one row
Horizontal	152 mm (6") 76 mm (3")	≤ 770 mm	

### Joints

Number of joints per reel	** max. 1 for reels up to 580 mm O/D ** max. 2 for reels 580 mm and up
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## ICO PEARL MTZ

roperties	Tolerance	Ref	Typical Values			Unit	Test Method
<b>Thickness</b>	(+ / -) 4%		30	38	42	micron	ASTM D 2673
<b>Unit Weight</b>	(+ / -) 4%		21	26.6	29.4	gm/m <sup>2</sup>	
<b>Yield</b>	(+ / -) 4%		47.6	37.6	34	m <sup>2</sup> /Kg	
<b>Tensile Strength</b>	Min.	MD	60			N/mm <sup>2</sup>	ASTM D882
	Min.	TD	130				
<b>Elongation At Break</b>	Max.	MD	160			%	
	Max.	TD	40				
<b>Coefficient Of Friction</b>	Max.	Film/film	0.5				ASTM D 1894
<b>Optical Density</b>	Min.		2.5			%	ASTM D 1003
<b>Gloss</b>	Min.		> 100 ( Metalized side )			G.U.	ASTM D 2457
<b>Dimensional Stability</b>	Max.	MD	5			%	120°C - 5 min in air oven
	Max.	TD	3				
<b>Heat Seal Range ( Untreated Side )</b>			105 - 145			C	OPMA Method
<b>Heat Seal Strength</b>	Min.	Film/film	170			gm/cm	130C/1sec./1bar
<b>Water Vapour Permeability</b>	Max.		0.5			gm/ m <sup>2</sup> d	ASTM F1249 (38°C - 90% RH)
<b>Oxygen Permeability</b>	Max.		80			cm <sup>3</sup> / m <sup>2</sup> d	ASTMD3985 23°C 0% RH
<b>Density</b>	( + / - ) 0.05		0.70			gm / cm <sup>3</sup>	ASTM D 1505
<b>Wetting Tension ( Treatment )</b>	Min.		38			dyne /cm	ASTM D 2578
<b>Tolerance</b>							
<b>Weight</b>	< 1.0 Ton					± 20 %	
	> 1.0 Ton To < 10.0 Ton					± 10 %	
	> 10.0 Ton					± 5 %	
<b>Tolerance in width</b>	( + / - ) 2 mm						

### Film storage

It is recommended that the material is stocked in a dry area with a temperature below 30°C in order to restrain the deterioration of the film properties in general. The film is suitable for usage up to 6 months from the date of delivery except treatment 3 months from the date of delivery.

### Treatment

The film is generally supplied outside treated TO. The film can be supplied inside treated TI or both sides TB depending on agreement with our sales department.

### Printability / Lamination

It is recommended for in line refreshment of metallized surface before the converting processes for the film

### Food Contact

The Film is compliant with EC and FDA regulations. Specific documents and safety data sheet are available upon request.

The above information is the result of laboratory test which are applied on samples from standard production .Since the varying conditions under which our products used are beyond our control , all of the above results are without guarantee and warranty

Last update: 02/01/2022