

PROVISIONAL

## T50IH-PCR

TRANSPARENT PLAIN BOPP, INSIDE SURFACE FOR DIRECT SOFT EMBOSSING / HOLOGRAPH



Non Heat Seal Surface  
OPP Core  
Direct Soft Embossable Surface



AVAILABLE  
CALIPERS

### DESCRIPTION

OPP T50IH-PCR is transparent Plain **BOPP** base film for holographic embossing applications. Its inside untreated skin is specifically modified for direct holographic embossing without primer coating & suitable for metallisation & for Good metal adhesion. It is recommended to Pre-treat or Plasma embossed surface before or during metallisation. TIH-PCR gives brilliant prismatic effect for holographic applications. It contains Post Consumer Recycle (PCR) material.

### PRODUCT FEATURES

- It contains POST CONSUMER RECYCLE (PCR) material
- Excellent Adhesion of Holographic Coating on Embossable side & suitable for metallisation
- Excellent Holographic effect after Embossing
- Outstanding optical properties (High Gloss, exceptional Clarity and low Haze)
- Excellent Mechanical Properties

### APPLICATIONS

Base film for Holographic applications for;

- Brand Protection
- Attractive Packaging
- Security (almost impossible to counterfeit)

### NOMENCLATURE

T50IC-PCR... Embossable side is Inside

T50OC-PCR... Embossable side is Outside

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	PROPERTIES	POSITION	T50IH-PCR	UNITS	TEST METHOD
GENERAL	Nominal Thickness	-	50	μ	Internal Method
	Density	-	0.91	g/cc	Internal Method
	GSM	-	45.5	g/m <sup>2</sup>	Internal Method
	Yield	-	22.0	m <sup>2</sup> /kg	Internal Method
OPTICAL	Haze	-	2.2	%	ASTM D 1003
	Gloss	-	100	GU	ASTM D 2457
SURFACE	Dynamic COF	Film/Metal	0.30	-	ASTM D 1894
MECHANICAL	Tensile Strength (at break)	-MD -TD	1250 2900	kg/cm <sup>2</sup>	ASTM D 882
	Elongation (at break)	-MD -TD	200 65	%	ASTM D 882
	Elastic Modulus	-MD -TD	20000 40000	kg/cm <sup>2</sup>	ASTM D 882
THERMAL	Linear Shrinkage (max)	-MD -TD	3 1	%	Internal Method

The figures and above properties refer to typical values which are indicative only. Customers should verify the suitability of the film for its specific end use. Therefore this document will not represent a product specification.

#### GUIDELINES FOR STORAGE

Temperature should preferably be less than 30°C & humidity 55±5% in storage areas and material should be consumed with three months of receipt. OPP films should be allowed to reach operating room temperature 24 hours before use. Film characteristics are maintained for six months from the date of manufacturing.

#### FOOD CONTACT

This film is not recommended for direct & indirect food contact application.

#### SAFETY

Compliance with industrial health and safety standards. OPP films do not present any significant danger to health and safety in the workplace, provided they are used for the intended purpose in accordance with conventional practices and that health & safety regulations are observed. Relevant guidelines can be found in our MSDS (available upon request).

#### CAUTIONS

- Film characteristics are maintained for six months from the date of invoicing.