



## FILMS

**MATERIAL:** PP CLEAR TC

**CODE:** PP CLEAR TC

**MANUFACTURE:** IMV LABEL LTD

PP CLEAR TC is co-extruded clear polypropylene film. Used for body care products, toiletries, food products and beverage industry. Suitable for printing in all types of flexo, UV offset, screen-printing, hot stamping and thermal transfer. Testing for suitability between media, printers and inks is always recommended prior to use.

PROPERTIES	TEST METHOD	TARGET
Average Thickness	D-374-C	51
Thickness Variation	% +/-	3
Wettability(min) Dynes/cm	D-2578	38
Gloss(45 degrees)	D-2457	90-100
Haze %	D-1003	1.4-1.8
Tensile Strength MD kg/cm <sup>2</sup>	D-882	1300-1500
Tensile Strength TD kg/cm <sup>2</sup>	D-882	2600-2800
Shrinkage 120C 5min %MD	D-1204	1.5-3.5
Shrinkage 120C 5min %TD	D-1204	0.5-2.5
Recommended storage (years)*		1 year



**MATERIAL:** PP WHITE HP TC

**CODE:** PP WHITE HP TC

**MANUFACTURE:** IMV LABEL LTD

PP WHITE HP TC is a super white opaque polypropylene film, specially coated for HP Indigo digital ink reception. With a proprietary cavitated core providing high yield and excellent opacity, used for body care products, toiletries, food products and beverage industry. Testing for suitability between media, printers and inks is always recommended prior to use.

PROPERTIES	TEST METHOD	TARGET
Average Thickness	D-374-C	61
Thickness Variation	% +/-	5
Wettability (min) Dynes/cm	D-2578	38
Kinetic COF	D-1894	0.35-0.40
Gloss (45 degrees)	D-2457	90
Opacity %	Hunter LAB D-25-2CR	83
Whiteness Index %	E-313	85
Tensile Strength MD kg/cm <sup>2</sup>	D-882	700-900
Tensile Strength TD kg/cm <sup>2</sup>	D-882	1400-1600
Shrinkage 120C 5min %MD	D-1204	1-3
Shrinkage 120C 5min %TD	D-1204	0-2
Recommended storage (years)*		1 year

**MATERIAL:** PP WHITE MATTE TC

**CODE:** PP WHITE MATTE TC

**MANUFACTURE:** IMV LABEL LTD

PP WHITE MATTE TC is a super white matte polypropylene film .Used for body care products, toiletries, food products and industrial labeling. Suitable for printing in all types of flexo, UV offset, screen-printing, hot stamping and thermal transfer. Testing for suitability between media, printers and inks is always recommended prior to use.

PROPERTIES	TEST METHOD	TARGET
Average Thickness	D-374-C	46
Thickness Variation	% +/-	3
Wettability(min) Dynes/cm	D-2578	38
Kinetic COF	D-1894	0.35-0.45
Gloss(45 degrees)	D-2457	12-13
Haze %	D-1003	58-61
Tensile Strength MD kg/cm2	D-882	1300-1500
Tensile Strength TD kg/cm2	D-882	2600-2800
Shrinkage 120C 5min %MD	D-1204	1.5-3.5
Shrinkage 120C 5min %TD	D-1204	1-2
Recommended storage (years)*	D-1204	1 year



**MATERIAL:** PP WHITE TC

**CODE:** PP WHITE TC

**MANUFACTURE:** IMV LABEL LTD

PP WHITE TC is a super white opaque polypropylene film with a proprietary cavitated core providing high yield and excellent opacity, used for body care products, toiletries, food products and beverage industry. Suitable for printing in all types of flexo, UV offset, screen-printing, hot stamping and thermal transfer. Testing for suitability between media, printers and inks is always recommended prior to use.

PROPERTIES	TEST METHOD	TARGET
Average Thickness	D-374-C	61
Thickness Variation	% +/-	5
Wettability (min) Dynes/cm	D-2578	38
Kinetic COF	D-1894	0.35-0.40
Gloss (45 degrees)	D-2457	70
Opacity %	Hunter LAB D-25-2CR	88
Whiteness Index %	E-313	85
Tensile Strength MD kg/cm <sup>2</sup>	D-882	700-900
Tensile Strength TD kg/cm <sup>2</sup>	D-882	1500-1700
Shrinkage 120C 5min %MD	D-1204	1-3
Shrinkage 120C 5min %TD	D-1204	1-2
Recommended storage (years)*		1 year

**MATERIAL:** PP SILVER TC

**CODE:** PP SILVER TC

**MANUFACTURE:** IMV LABEL LTD

Gloss silver metallized top coated polypropylene. Luxury metallized labels for body care products, toiletries, food products and beverage industry. Suitable for printing in all types of flexo, UV offset, screen-printing, hot stamping and thermal transfer. Testing for suitability between media, printers and inks is always recommended prior to use.

PROPERTIES	TEST METHOD	TARGET
Average Thickness	D-374-C	51
Thickness Variation	% +/-	3
Wettability(min) Dynes/cm	D-2578	38
Optical Density	CTM	2.0-2.2
Tensile Strength MD kg/cm <sup>2</sup>	D-882	1200-1500
Tensile Strength TD kg/cm <sup>2</sup>	D-882	2600-2800
Shrinkage 120C 5min %MD	D-1204	1.5-3.5
Shrinkage 120C 5min %TD	D-1204	0.5-2.5
Recommended storage (years)*		1 year

**MATERIAL:** PP THERMAL ECO

**CODE:** PP THERMAL ECO

**MANUFACTURE:** IMV LABEL LTD

PP THERMAL ECO is a super white direct thermal printable polypropylene film. Used for airline baggage tags, label also in food industry. Testing for suitability between media, printers and inks is always recommended prior to use.

<b>PAPER PROPERTIES</b>	<b>TEST METHOD</b>	<b>TARGET</b>
Average Thickness	D-374-C	50 and 75
Thickness Variation	% +/-	5
Surface Tension (min) dynes/cm	ASTM D-4321	40/38
Activation Temperature	C	70
Recommended storage (years)*		1 year



**MATERIAL:** PP THERMAL TOP

**CODE:** PP THERMAL TOP

**MANUFACTURE:** IMV LABEL LTD

PP THERMAL TOP is Premium Top coated super white direct thermal printable polypropylene film. With very good protection of the face side against external influences. Used for airline baggage tags, label also in food industry. Testing for suitability between media, printers and inks is always recommended prior to use.

<b>PAPER PROPERTIES</b>	<b>TEST METHOD</b>	<b>TARGET</b>
Average Thickness	D-374-C	75
Thickness Variation	% +/-	5
Surface Tension (min) dynes/cm	ASTM D-4321	40/38
Activation Temperature	C	70
Recommended storage (years)*		1 year

