



FILMS

MATERIAL: PP CLEAR TC

CODE: PP CLEAR TC

MANUFACTURE: PRO PAPER 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 ²	D-882	1300-1500
Tensile Strength TD kg/cm ²	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: PRO PAPER 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 ²	D-882	700-900
Tensile Strength TD kg/cm ²	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: PRO PAPER 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: PRO PAPER 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 ²	D-882	700-900
Tensile Strength TD kg/cm ²	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: PRO PAPER 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 ²	D-882	1200-1500
Tensile Strength TD kg/cm ²	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: PRO PAPER 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.

PAPER PROPERTIES	TEST METHOD	TARGET
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: PRO PAPER 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.

PAPER PROPERTIES	TEST METHOD	TARGET
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