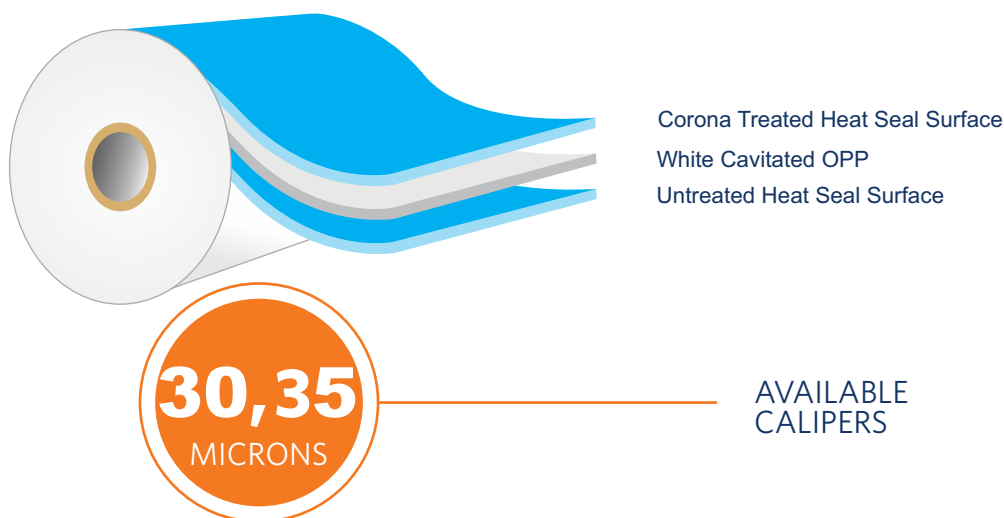


PROVISIONAL

WSLD

BOPP FILMS

WHITE CAVITATED HEAT SEALABLE BOPP FILM CORONA TREATED ONE SIDE
FOR CONVERSION

**DESCRIPTION**

OPP WSLD is white cavitated both side sealable one side corona treated BOPP film, having modified low density than standard solid white films. This opaque and stiff film is ideal for VFFS & HFFS machines.

PRODUCT FEATURES

- High Yield due to low density
- Excellent gloss and light blocking capabilities
- Excellent slip properties
- Good stiffness and mechanical properties
- Excellent runnability on VFFS & HFFS machines
- Good moisture and light barrier
- Outstanding opacity and whiteness

APPLICATIONS

Can be used as a part of laminate structure

- Confectionery (chocolate/gum/sugar)
- Bakery (biscuits/cookie/crackers)
- Frozen food
- Dry foods and beverage powders
- Health and beauty care
- Household and detergents

TOPPAN SPECIALITY FILMS

PROVISIONAL

	PROPERTIES	POSITION	WS 30TILD	WS35TILD	UNIT	METHOD
GENERAL	Nominal Thickness	-	30	35	μ	Internal Method
	Density	-	0.85	0.85	g/cc	Internal Method
	Grammage	-	25.5	29.75	g/m ²	Internal Method
	Yield	-	39.0	34.0	m ² /kg	Internal Method
OPTICAL	Transmittance	-	40.0	40.0	%	ASTM D 1003
	Gloss	-	65		GU	ASTM D 2457
SURFACE	Dynamic COF	Film/Film	0.30		-	ASTM D 1894
	Wetting Tension	-	38		dyne/cm	ASTM D 2578
MECHANICAL	Tensile Strength (at break)	- MD	1100		kg/cm ²	ASTM D 882
		- TD	2400			
	Elongation (at break)	- MD	200		%	ASTM D 882
		- TD	70			
	Elastic Modulus	- MD	18000		kg/cm ²	ASTM D 882
		- TD	28000			
THERMAL	Linear Shrinkage (max)	- MD	4		%	ASTM D 1204
		- TD	2			
	Heat Seal Range	-	115-145		°C	Internal Method
BARRIER	Seal Strength	-	350		g/25mm	Internal Method (130°C/1sec/30psi)
	WVTR 38° C 90% rh	-	5.2	4.5	g/m ² /day	ASTM F 1249

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 within three months of receipt. OPP films should be allowed to reach operating room temperature 24 hours before use.

FOOD CONTACT

OPP films complies with the requirements of FDA, EC & REACH regulations. Specific documentation is available on request.

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
- Please make sure printing surface is well dried before lamination