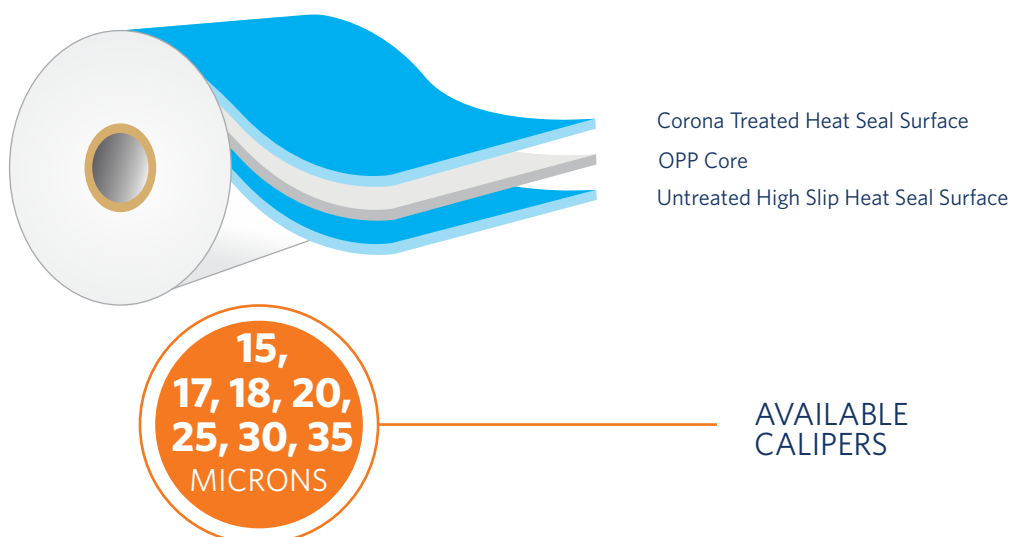


HS**BOPP FILMS****TRANSPARENT HEAT SEALABLE CORONA TREATED ONE SIDE STABLE SLIP GRADE FOR CONVERSION****DESCRIPTION**

OPP HS is transparent co-extruded low COF **BOPP** film. It is one side corona treated & both side heat sealable. Untreated heat-seal surface is specially designed to give low stable COF, good seal strength and sealing range which gives robust performance on all types of HFFS & VFFS machines.

PRODUCT FEATURES

- Exceptional slip properties
- Stable coefficient of friction (0.20 - 0.35)
- Excellent hot slip
- Total forgiving on HFFS & VFFS machines
- Good printability and suitable for lamination with other substrates
- Good optical properties
- Good stiffness and mechanical properties

APPLICATIONS

Can be used as a single web or in laminate structures.

- Confectionery (chocolate/gum/sugar)
- Bakery (biscuits/cookie/crackers)
- Frozen food
- Health and beauty care
- Household and detergents
- Chips/snacks/pasta

	PROPERTIES	POSITION	TS15TIHS	TS17TIHS	TS18TIHS	TS20TIHS	TS25TIHS	TS30TIHS	TS35TIHS	UNIT	METHOD
GENERAL	Nominal Thickness	-	15	17	18	20	25	30	35	μ	Internal Method
	Density	-				0.91				g/cc	Internal Method
	Grammage	-	13.65	15.47	16.38	18.2	22.75	27.3	31.85	g/m ²	Internal Method
	Yield	-	73.3	64.6	61.1	54.9	44.0	36.6	31.4	m ² /kg	Internal Method
OPTICAL	Haze	-	2.5	2.5	2.5	3	3	3.2	3.5	%	ASTM D 1003
	Gloss	-				90				GU	ASTM D 2457
SURFACE	COF (Dynamic)	Film/Film				0.20-0.35				-	ASTM D 1894
	Wetting Tension	-				40				dy/cm	ASTM D 2578
MECHANICAL	Tensile Strength (at break)	- MD				1300				kg/cm ²	ASTM D 882
		- TD				2700					
	Elongation (at break)	- MD				180				%	ASTM D 882
		- TD				60					
	Elastic Modulus	- MD				18000				kg/cm ²	ASTM D 882
		- TD				32000					
THERMAL	Linear Shrinkage (max)	- MD				5				%	ASTM D 1204
		- TD				3					
	Heat Seal Range	-				105-145				° C	Internal Method
BARRIER	Seal Strength	-	350	350	350	350	350	400	400	g/25mm	Internal Method (130°C/1sec/30psi)
	WVTR 38°C	-	8.5	8.2	8	7.5	6	5	4.5	g/m ² /day	ASTM F 1249
	90% RH	-									

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