

TYPICAL PROPERTIES OF 5020 Polypropylene

Two-side Sealable, One-side Treated, Co-Extruded OPP Film FDA Compliant for Direct Food Contact

Advantages:

Wide heat seal range on both sides provide:

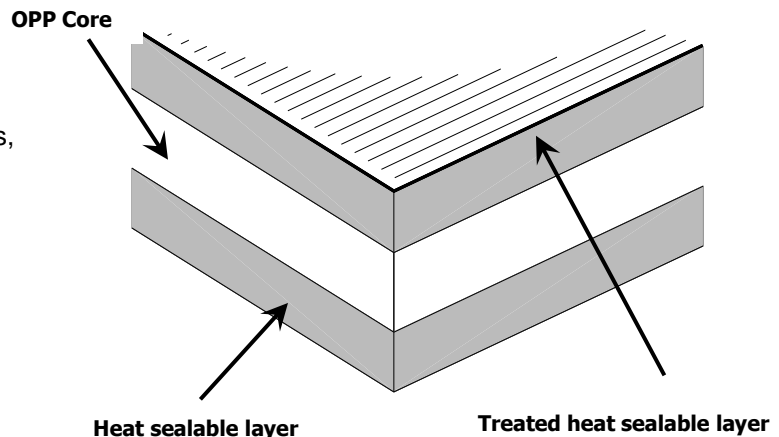
- Higher packaging speeds
- Opportunity to lower sealing temperatures, extending machine life
- Excellent odor and moisture barrier
- Stable COF

Typical Applications:

- Printable film designed for use in both Horizontal and Vertical form, fill and seal equipment
- Horizontal and Vertical packaging, in laminated or single web form
- End-fold over-wrap, utilizing the wide seal range and good hot COF both faces
- Used for lap or fin seal

Primary Markets

- Snacks
- Sandwich overwrap
- Frozen foods
- Baked goods
- Confectionery
- Box overwrap



Important Features

- Excellent hot tack for vertical packages
- Good moisture and odor barrier for product protection
- High transparency and gloss provide shelf appeal
- Suitable for reverse cold seal coating with surface printed inks and release lacquer
- UV ink systems and adhesives **are not** recommended

Product	Gauge	Yield Sq. inch per Lb.	Footage (approx ft. / roll on 3" core)		
			9.5" OD	13" OD	18" OD
HSF 5020 Two-side Heat Sealable OPP Film	.00070	44,200	7,000	14,000	28,000
	.00080	38,700	6,400	12,800	25,600
	.001	31,000	5,000	10,000	20,000
	.0012	25,800	4,200	8,500	17,000
	.0014	22,100	3,600	7,300	14,700
	.0016	19,600	3,100	6,400	12,800
	.002	15,500	2,500	5,000	10,000

*Terms 1% 10 Net 30 days / Freight Prepaid on 1,000 lbs. or more
Additional surcharge of \$.25 per pound on widths 2 1/2" and under*

TECHNICAL DATA SHEET 5020

Properties		Units	Typical Values						
Nominal Thickness		gauge μ	70 17.78	80 20.32	100 25.4	120 30.48	140 35.56	160 40.64	200 50.8
Yield		in ² /lb	44,200	38,700	31,000	25,800	22,100	19,600	15,500
Tensile Strength	MD	lb/in ²	19,913	19,913	19,913	19,913	19,913	19,913	19,913
	TD	lb/in ²	42,670	42,670	42,670	42,670	42,670	42,670	42,670
Elongation	MD	%	175	175	175	175	175	175	175
	TD	%	50	50	50	50	50	50	50
COF			=< 0.35	=< 0.35	=< 0.35	=< 0.35	=< 0.35	=< 0.35	=< 0.35
Surface Tension		dyne	36-39	36-39	36-39	36-39	36-39	36-39	36-39
Haze		%	=< 2.5	=< 2.5	=< 3.0	=< 3.0	=< 3.0	=< 3.0	=< 3.0
Gloss		%	88-90	88-90	88-90	88-90	88-90	88-90	88-90
WVTR (38°C/90%RH)		g/100 in ² /d	0.47	0.42	0.35	0.32	0.28	0.24	0.20
OTR (23°C/0%RH)		cc/100 in ² /d	159.1	148.4	122.6	103.2	88.4	79.7	70.1
Seal Range									
Back		°F (min-max)	220-300	220-300	220-300	220-300	220-300	220-300	220-300
Print		°F (min-max)	225-300	225-300	225-300	225-300	225-300	225-300	225-300

Thickness & Yield may vary +/- 5%
All property values are developed according to ASTM.

Treatment & Winding: One surface is treated for printing and/or laminating. This treated surface is wound to the outside of the roll.

Printing: U.V. ink systems and adhesives **are not** recommended.

Lamination: Film is suitable for solvent-based or solventless laminations

Storage & Handling: HSF Films should be placed in the processing area 24 hours prior to processing to acclimatize. Even though these films are largely unaffected by climatic conditions, they should not be stored at temperatures above 104°F. Under suitable storage conditions, the film can be stored for a period of six months without any risk of deterioration.

The information herein, is to the best of our knowledge, true, and accurate. However, since conditions of use are beyond our control, all recommendations or suggestions are presented without guarantee or responsibility on our part.