Solstice 5020 Flexible Packaging Films

Excellent for all Automated and Manual Heat Seal Overwrappers
CD DVD Blu-Ray Cases, Perfumes, Cosmetics, Confectionary, Pharamaceutical,
nd all custom and small box applications. Custom slitting and available in rolls or sheets

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:

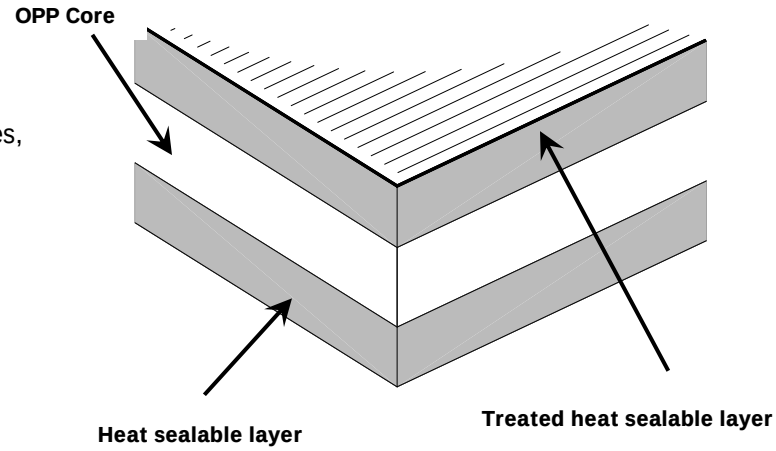
- Higher packaging speeds
- Opportunity to lower sealing temperatures, extending machine life
- Excellent odor and moisture barrier
- Stable CoF

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 ***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	.00070	44,800	7,000	14,000	28,000
Two-side heat	.00080	38,700	6,300	12,800	25,600
sealable OPP Film	.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	19,400	3,100	6,400	12,800
	.002	15,475	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 ½" and unde

Flexible Packaging Films

TECHNICAL DATA SHEET 5020

Properties	Units	Typical Values						
Nominal Thickness	Gauge	70	80	100	120	140	160	200
Basis Weight	lbs / ream	9.52	11.2	14	16.8	19.6	22.2	27.9
Nominal Density	g / cm^3	0.91	0.91	0.91	0.91	0.91	0.91	0.91
Yield	in^2 / lb	44,800	38,700	31,000	25,800	22,100	19,400	15,475
Tensile Strength								
MD	lbs / in^2	20,300	17,040	17,040	17,040	17,040	17,040	19,880
TD	lbs / in^2	37,700	42,600	42,600	42,600	42,600	42,600	42,600
Elongation at Break								
MD	%	160	175	175	175	175	175	175
TD	%	40	50	50	50	50	50	50
CoF		0.3	0.3	0.25	0.25	0.3	0.3	0.3
Surface Tension	Dyne	38	38	38	38	38	38	38
Gloss	20^o	85	100	100	100	100	100	95
Haze		2.0	1.9	2.2	2.2	2.2	2.5	2.7
WVTR (100^o F / 90%rh)	g /100 in^2d	0.58	0.42	0.38	0.32	0.26	0.23	0.15
Heat Seal Strength								
Back (266^o F/1kp/0.5sec)	g / in	>400	>340	>340	>430	>500	>600	>750
Print (266^o F/1kp/0.5sec)	g / in	>340	>340	>340	>430	>500	>600	>750
Seal Range								
Back	^{o}F (min-max)	220 – 300	220 – 300	220 – 300	220 – 300	220 – 300	220 – 300	220 – 300
Print	^{o}F (min-max)	225 – 300	225 – 300	225 – 300	225 – 300	225 – 300	225 – 300	225 – 300

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

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 degrees 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.