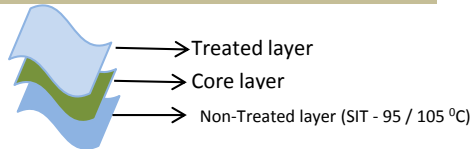


## Heat Sealable Clear BOPP Film AHST-I

**Film Structure**

**Product Description**

It is co-extruded, plain, both side Heat Sealable and one side corona treated Bi-axially oriented polypropylene film.

**Product Features**

- Heat sealable on both sides
- Excellent machinability
- Good moisture barrier
- Good antistatic and slip properties
- Standard Thickness (15 TO 50  $\mu$ )

**Applications**

- Rotogravure and flexographic (non-UV and non-water base) printing
- Lamination
- Single web structure

**Technical Data**

Properties	Reference	Unit	Test Method	Typical Values								
<b>PHYSICAL</b>												
Average Thickness		$\mu\text{m}$	ATM	15	18	20	25	30	35	40	45	50
Unit Weight		$\text{g}/\text{m}^2$		13.6	16.3	18.1	22.6	27.2	31.7	36.2	40.7	45.3
Yield		$\text{m}^2/\text{kg}$		73.7	61.4	55.2	44.2	36.8	31.6	27.6	24.6	22.1
Thickness Variation		$\pm \%$		3								
Density		$\text{g}/\text{cc}$	0.905									
<b>OPTICAL</b>												
Gloss (45°)	Glossy	gardner	D-2457	82 - 88								
	Matte			NA								
Haze		%	D-1003	1.8 - 2.5								
<b>SURFACE TENSION</b>												
Treatment level (Min)		dyne/cm	D-2578	38								
<b>MECHANICAL</b>												
COF (Kinetic - max)	NT/NT		D-1894	0.35								
Tensile Strength	MD	$\text{kg}/\text{cm}^2$	D-882	1200-1500								
	TD			2400-2800								
Elongation	MD	%	D-882	160-230								
	TD			60-80								
<b>THERMAL</b>												
Shrinkage (120°C, 5 Min)	MD	%	D-1204	2.0-5.0								
	TD			0.5-2.5								
Sealing strength (120°C/2Bar/1Sec)	NT/NT	$\text{g}/\text{cm}$	ATM	400-600								
Seal Initiation temperature	NT/NT	°C	ATM	95 - 120								
<b>Barrier Properties</b>												
WVTR (38°C & 90% RH)		$\text{g}/\text{m}^2/\text{day}$	ASTM F 1249	7.0	6.5	6.0	5.0	4.0	3.5	3.0	2.5	2.5
OTR (23°C & 0% RH)		$\text{cc}/\text{m}^2/\text{day}$	ASTM D 3985	2000	1850	1800	1700	1600	1550	1500	1450	1450

**Disclaimer:** The information provided above is based on ASIA POLY FILMS INDUSTRIES's conclusive tests, which are indicative only and provided as guidelines. They do not constitute a guarantee of any specific product attributes or the suitability of products for specific applications.

**ATM:** Asia Test Method    **MD:** Machine Direction    **TD:** Transverse Direction    **NA:** Not Applicable

### Asia Poly Films Industries

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