



Nahar

POLY FILMS LTD.



PRODUCT CODE HHT	TRANSPARENT BOTH SIDE HEAT SEALABLE APPLICATION : PRINTING & POUCHING
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TECHNICAL DATA SHEET BOPP

PROPERTIES	TEST METHOD	UNIT	POSITION	HHT18	HHT20	HHT25	HHT35	HHT40
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PHYSICAL

Thickness	ASTM D 374	MICRON		18	20	25	35	40
Grammage	NTM	gm/m ²		16.4	18.2	22.8	31.8	36.4
Yield	NTM	m ² /kg		60.9	55.0	44.0	31.4	27.4
Thickness variation		%(±)		3.0				

SURFACE

Treatment Level (min)	ASTM D 2578	dyne/cm		38				
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OPTICAL

Haze	ASTM D 1003	%		2.0 - 3.0				
Gloss	ASTM D 2457	-		85-90				

MECHANICAL

Coefficient Of Friction	ASTM D 1894	Static		0.30 - 0.35				
		Kinetic		0.25 - 0.30				
Tensile strength	ASTM D 882	Kg/cm ²	MD	1200 - 1700				
			TD	2400 - 2800				
Modulus	ASTM D 882	Kg/cm ²	MD	16000 - 19000				
			TD	26000 - 29000				
Elongation	ASTM D 882	%	MD	140 - 180				
			TD	40 - 80				

THERMAL

Shrinkage at 120°C/ 5min	ASTM D 1204	%	MD	3.0 - 5.0				
			TD	1.0 - 3.0				
Seal Initiation Temperature	NTM	°C	-	115 - 120				
Sealing Strength at 120°C/2Bar	NTM	gms/25mm	-	400 - 450				

BARRIER

Water Vapour Transmission Rate	ASTM F 1249	GM/M ² /24h	-	5.0 - 6.5				
Oxygen Gas Transmission Rate	ASTM D 3985	cc/M ² /24h	-	1850	1800	1700	1500	1300

The values given in this technical datasheet are typical performance data and are believed to be accurate. These are given in good faith but it is for the customer to satisfy of the suitability for its own particular purpose. NAHAR POLY FILMS LTD. Suggests to the customer to confirm these values and product compatibility prior to their use and the company offers neither guarantee nor accept any responsibility for the fitness of the product for any other use. Treatment value of BOPP films tend to decay over a period of time during transportation & storage conditions. Therefore it is recommended that the customer should check the treatment levels prior to processing and if a reduction is observed then online corona treatment, high adhesive GSM & a suitable primer may be applied.

NTM: NAHAR TEST METHOD, MD : MACHINE DIRECTION ,TD : TRANSVERSE DIRECTION