



Nahar

POLY FILMS LTD.



PRODUCT CODE HMB	TRANSPARENT ONE SIDE CORONA TREATED METALLISABLE OTHER SIDE HEAT SEALABLE APPLICATION : FILM FOR METALLISATION
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TECHNICAL DATA SHEET BOPP

PROPERTIES	TEST METHOD	UNIT	POSITION	HMB18	HMB20	HMB25
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PHYSICAL

Thickness	ASTM D 374	MICRON		18	20	25
Grammage	NTM	gm/m ²		16.4	18.2	22.7
Yield	NTM	m ² /kg		60.9	54.9	44.0
Thickness variation		%(±)		3		
Treatment Level	ASTM D 2578	dyne/cm		38		

OPTICAL

Haze	ASTM D 1003	%		2.5 - 3.0		
Gloss (Min)	ASTM D 2457	-		80-85		

MECHANICAL

Coefficient Of Friction	ASTM D 1894	Static		0.45 - 0.50		
		Kinetic		0.40 - 0.45		
Tensile strength	ASTM D 882	Kg/cm ²	MD	1200 -1500		
			TD	2400 - 2800		
Modulus	ASTM D 882	Kg/cm ²	MD	16000 - 18000		
			TD	24000- 28000		
Elongation	ASTM D 882	%	MD	140 - 180		
			TD	40 - 80		

THERMAL

Shrinkage at 120°C/ 5min	ASTM D 1204	%	MD	3 - 5		
			TD	1 - 3		
Seal Initiation Temperature	NTM	°C	-	115 - 118		
Sealing Strength at 120°C/2Bar	NTM	gms/25mm	-	300 -350		

BARRIER

Water Vapour Transmission Rate	ASTM F 1249	GM/M ² /24h	-	≤6.5	≤6	≤6
Oxygen Gas Transmission Rate	ASTM D 3985	cc/M ² /24h	-	1850	1800	1700

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 tretment, high adhesive GSM & a suitable primer may be applied.

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