Nahar POLY FILMS LTD.

ISO 9001 REGISTERED DNV MGMT SYS. RvA C 074

PRODUCT CODE **HMD**	ONE SIDE METALLISED AND NON HEAT SEALABLE FILM APPLICATION : FILM FOR -DECORATIVE

TECHNICAL DATA SHEET BOPP

PROPERTIES	TEST METHOD	UNIT	POSITION	HMD9	HMD10	HMD12	HMD15
PHYSICAL							
Thickness	ASTM D 374	MICRON		9	10	12	15
Grammage	NTM	gm/m²		8.2	9.1	10.9	13.7
Yield	NTM	m²/kg		121.9	109.9	91.7	73.0
Thickness variation		%(±)		3			
SURFACE							
Treatment Level (min)	ASTM D 2578	dyne/cm		38			
OPTICAL							
Optical Density	NTM	-		2.0 - 2.2			
MECHANICAL							
Coefficient Of Friction	ASTM D 1894	Static Kinetic		0.40 - 0.45 0.35 - 0.40			
Tensile strength	ASTM D 882	Kg/cm²	MD TD	1200 - 1500 2400 - 2800			
Modulus	ASTM D 882	Kg/cm²	MD TD	15000 -18000 25000 -28000			
Elongation	ASTM D 882	%	MD TD	150 - 180 50 - 80			
THERMAL							
Shrinkage at 120ºC/ 5min	ASTM D 1204	%	MD TD	2 - 4 1 - 3			

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 resposibility 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