



Nahar

POLY FILMS LTD.



PRODUCT CODE HMO	ONE SIDE METALLISED OTHER SIDE HEAT SEALABLE FILM APPLICATION : Packaging & conversion
-----------------------------------	---

TECHNICAL DATA SHEET BOPP

PROPERTIES	TEST METHOD	UNIT	POSITION	HMO15	HMO18	HMO20	HMO25
------------	-------------	------	----------	-------	-------	-------	-------

PHYSICAL

Thickness	ASTM D 374	MICRON		15	18	20	25
Grammage	NTM	gm/m ²		13.7	16.4	18.2	22.8
Yield	NTM	m ² /kg		73.0	60.9	55.0	44.0
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		0.40 - 0.45			
		Kinetic		0.35 - 0.40			
Tensile strength	ASTM D 882	Kg/cm ²	MD	1200 - 1500			
			TD	2600 - 3000			
Modulus	ASTM D 882	Kg/cm ²	MD	16000 - 18000			
			TD	26000 - 28000			
Elongation	ASTM D 882	%	MD	140 - 160			
			TD	40 - 80			

THERMAL

Shrinkage at 120°C/ 5min	ASTM D 1204	%	MD	2 - 4			
			TD	1 - 3			
Seal Initiation Temperature	NTM	°C	-	113 - 115			
Sealing Strength at 120°C/2Bar	NTM	gms/25mm	-	400 - 450			

BARRIER

Water Vapour Transmission Rate	ASTM F 1249	GM/M ² /24h		0.60	0.60	0.60	0.60
Oxygen Gas Transmission Rate	ASTM D 3985	cc/M ² /24h		80	80	80	80

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