

PRODUCT CODE THS	Transparent one side non Sealable other side Heat Sealable APPLICATION : Sandwich Lamination						
TECHNICAL DATA SHEET BOPP							
PROPERTIES	TEST METHOD	UNIT	POSITION	THS18	THS20	THS25	THS30
PHYSICAL							
Thickness	ASTM D 374	MICRON		18	20	25	30
Grammage	NTM	gm/m ²		16.4	18.2	22.8	27.3
Yield	NTM	m ² /kg		60.9	55.0	44.0	36.6
Thickness variation		%(±)		3.0			
SURFACE							
Treatment Level (min)	ASTM D 2578	dyne/cm		38			
OPTICAL							
Haze(Max)	ASTM D 1003	%		1.5-2.0			
Gloss (Min)	ASTM D 2457	-		90 - 92			
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 - 1700			
			TD	2600 - 3000			

Modulus	ASTM D 882	Kg/cm²	MD	16000 - 19000
			TD	25000 -28000
Elongation	ASTM D 882	%	MD	140 - 180
			TD	40 - 80
THERMAL				
Seal Initiation Temperature	NTM	°C	-	115 - 118
Shrinkage at 120°C/ 5min	ASTM D 1204	%	MD	3.0 - 5.0
			TD	1.0 - 3.0
Sealing Strength at 120°C/2Bar	NTM	gms/25mm	-	400 - 450
BARRIER				
Water Vapour Transmission Rate	ASTM F 398 1249	GM/M²/24h	-	4.0 - 6.5
Oxygen Gas Transmission Rate	ASTM D 3985	cc/M²/24h	-	1600-1850

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."

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