

PRODUCT CODE TLH	TRANSPARENT BOTH SIDE HEAT SEALABLE WITH LOW SEAL TEMPERATURE APPLICATION : HIGH SPEED PACAKAGING.									
TECHNICAL DATA SHEET BOPP										
PROPERTIES	TEST METHOD	UNIT	POSITION	TLH18	TLH20	TLH25	TLH30	TLH35	TLH40	TLH50
PHYSICAL										
Thickness	ASTM D 374	MICRON		18	20	25	30	35	40	50
Grammage	NTM	gm/m²		16.4	18.2	22.8	27.3	31.8	36.4	45.5
Yield	NTM	m²/kg		60.9	55.0	44.0	36.6	31.4	27.4	21.9
Thickness variation		%(±)		3						
SURFACE										
Treatment Level (min)	ASTM D 2578	dyne/cm		38						
OPTICAL										
Haze	ASTM D 1003	%		2.0 - 2.3						
Gloss	ASTM D 2457	-		90 - 92						
MECHANICAL										
Coefficient Of Friction	ASTM D 1894	Static		0.30 - 0.35						
		Kinetic		0.25 - 0.30						
Tensile strength	ASTM D 882	Kg/cm²	MD	1200 - 1500						
			TD	2400 - 2800						

Modulus	ASTM D 882	Kg/cm²	MD	15000 -19000						
			TD	26000 - 30000						
Elongation	ASTM D 882	%	MD	140 - 180						
			TD	40 - 80						
THERMAL										
Shrinkage at 120°C/ 5min	ASTM D 1204	%	MD	2 - 4						
			TD	1 - 3						
Seal Initiation Temperature	NTM	°C	-	105						
Sealing Strength at 120°C/2Bar	NTM	gms/25mm	-	400 - 450						
BARRIER										
Water Vapour Transmission Rate	ASTM F 1249	GM/M²/24h	-	≤6.5	≤6	≤5	≤4	≤3	≤2.5	≤2
Oxygen Gas Transmission Rate	ASTM D 3985	cc/M²/24h	-	1850	1800	1700	1600	1500	1500	1400

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