

PRODUCT CODE TTR

TRANSPARENT NON HEAT SEALABLE BOTH SIDE TREATED APPLICATION: REVERSE PRINTING AND LAMINATION.

TECHNICAL DATA SHEE	Г ВОРР
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TECHNICAL DATA SHEET BO)PP								
PROPERTIES	TEST METHOD	UNIT	POSITION	TTR 12	TTR 15	TTR 18	TTR 20		
PHYSICAL									
Thickness	ASTM D 374	MICRON		12	15	18	20		
Grammage Yield	NTM NTM	gm/m² m²/kg		10.92 91.6	13.7 73.0	16.4 60.9	18.2 54.9		
Thickness variation		%(±)		3					
SURFACE	•	1							
Treatment Level (min)	ASTM D 2578	dyne/cm	Side1 side2	40 38					
OPTICAL									
Haze	ASTM D 1003	%		1.5 - 2.0					
Gloss	ASTM D 2457	-		90 - 95					
MECHANICAL									
Coefficient Of Friction	ASTM D	Static		0.30 - 0.35					
	1894	Kinetic		0.25 - 0.30					
Tensile strength	ASTM D 882	Kg/cm²	MD	1200 - 1500					
			TD	2200 - 2600 15000 - 19000					
Modulus	ASTM D 882	Kg/cm²	MD						
		TD MD	26000 - 30000 140 - 180						
Elongation	ASTM D 882	ASIMD %		40 - 80					
THERMAL		<u> </u>	10		40 -	00			
Shrinkage	ASTM D	64	MD	3.0 - 5.0					
at 120°C/ 5min	1204	% TD 1.0 - 3.0							
BARRIER	•	-	-						
Water Vapour Transmission Rate	ASTM F 1249	GM/M²/24h	-	≤8.5	≤7.5	≤6.5	≤5.5		
Oxygen Gas Transmission Rate	ASTM D 3985	cc/M²/24h		2200.0	2050	1850	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.

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