

TECHNICAL DATA SHEET

BOPP FILM

Date: 24 Nov 2022

Application:

Textile Bag /Photo Album/ Book Cover.

Special Feature:

- Transparent, Non Heat Sealable & Untreated BOPP Film.
- High gloss film with good clarity.
- Good machinability.
- Good mechanical properties.
- Good slip properties

MICRON(GAUGE) 17, 22, 24, 25, 30 (68, 88, 96, 100, 120)**TYPE** BTNTG Transparent, Untreated BOPP Film.

PROPERTIES	TEST METHOD	UNIT	17(68) MICRON (GAUGE)	22(88) MICRON (GAUGE)	24(96) MICRON (GAUGE)	25(100) MICRON (GAUGE)	30(120) MICRON (GAUGE)
TYPICAL VALUES							
NOMINAL THICKNESS	Polyplex Method	Micron	17	22	24	25	30
YIELD	Polyplex Method	m ² /kg	64.6	49.9	45.7	43.9	36.6
GRAMMAGE (GSM)	Polyplex Method	gm/m ²	15.47	20.02	21.84	22.75	27.3
MECHANICAL PROPERTIES							
TENSILE STRENGTH							
MD	ASTM D-882	kg/cm ²	1300	1300	1300	1400	1400
TD	ASTM D-882	kg/cm ²	2500	2500	2500	2500	2500

PROPERTIES	TEST METHOD	UNIT	17(68) MICRON (GAUGE)	22(88) MICRON (GAUGE)	24(96) MICRON (GAUGE)	25(100) MICRON (GAUGE)	30(120) MICRON (GAUGE)
ELONGATION AT BREAK							
MD	ASTM D-882	%	180	180	180	180	180
TD	ASTM D-882	%	80	80	80	80	80
MODULUS OF ELASTICITY							
MD	ASTM D-882	kg/cm2	15000	15000	15000	15000	15000
TD	ASTM D-882	kg/cm2	25000	25000	25000	25000	25000
THERMAL PROPERTIES							
HEATSHRINKAGE (AT 120 DEG. C FOR 5 MIN)							
MD	ASTM D-1204	%	4	4	4	4	4
TD	ASTM D-1204	%	2	2	2	2	2
CO-EFFICIENT OF FRICTION, (F/M)							
	ASTM D-1894		0.35	0.35	0.35	0.35	0.35
OPTICAL PROPERTIES							
HAZE							
	ASTM D-1003	%	1.6	1.6	1.8	1.8	1.8
GLOSS AT 45°							
	ASTM D-2457		95	95	95	95	95

Material Handling Guidelines:

1. Temperature should preferably be less than 30°C & humidity 55±5% in storage areas and material should be consumed within Six months for plain BOPP and three months for Metalized BOPP from the date of production.
2. Polyplex BOPP Film to be conditioned to reach operating room temperature 24 hours before use. Film characteristics are maintained for six months from the date of production except for metalized layer surface tension.
3. It is advised to use inline corona treatment in metalized film for good adhesion.