

COTAO

BOPP FILMS

TRANSPARENT ONE SIDE ACRYLIC COATED BOPP FILM FOR CONVERSION



Acrylic Coated Surface
Multilayer Transparent OPP Film
Treated Sealable Surface

20, 25
30, 35
MICRONS

AVAILABLE
CALIPERS

DESCRIPTION

COTAO is transparent one side acrylic coated **BOPP** film and other side treated sealable surface. Its Acrylic coated surface provides low seal initiation temperature, good seal strength and sealing range which gives enhanced performance on wide range of packaging machines.

PRODUCT FEATURES

- Low Seal Initiation Temperature
- Excellent sealing strength & hot-tack strength
- Printable with water based inks on acrylic coated surface
- Excellent machinability
- Good optical properties
- Good stiffness and mechanical properties

APPLICATIONS

To be used as a part of laminate

- Confectionery (chocolate/gum/sugar)
- Bakery (biscuits/cookie/crackers)
- Chips/snacks/pasta

	PROPERTIES	POSITION	COT20AO	COT25AO	COT30AO	COT 35AO	UNIT	METHOD
GENERAL	Nominal Thickness	-	20	25	30	35	μ	Internal Method
	Grammage	-	18.10	21.73	26.28	30.83	g/m ²	Internal Method
	Yield	-	55.2	46.0	38.1	32.4	m ² /kg	Internal Method
OPTICAL	Haze	-	1.7	1.7	1.7	1.7	%	ASTM D 1003
	Gloss	-	95	95	95	95	^45°	ASTM D 2457
SURFACE	COF (Dynamic)	Coat/Coat	0.30	0.30	0.30	0.30	-	ASTM D 1894
	Wetting Tension	Coating side	40	40	40	40	dy/cm	ASTM D 2578
MECHANICAL	Tensile Strength (at break)	- MD	1300	1300	1300	1300	kg/cm ²	ASTM D 882
		- TD	2500	2500	2500	2500		
	Elongation (at break)	- MD	200	200	200	200	%	ASTM D 882
		- TD	60	60	60	60		
	Elastic Modulus	- MD	18000	18000	18000	18000	kg/cm ²	ASTM D 882
THERMAL		- TD	28000	28000	28000	28000		
	Linear Shrinkage (max)	- MD	4	4	4	4	%	Internal Method
		- TD	2	2	2	2		
	Heat Seal Range	Coated Side	100-145	100-145	100-145	100-145	°C	Internal Method
	Seal Strength	Coated side	400	450	450	450	g/25mm	Internal Method
BARRIER	WVTR 38° C 90% rh	-	5	5	5	5	g/m ² /day	ASTM F 1249
	OXTR 23° C 0%rh	-	900	900	900	900	cc/m ² /day	ASTM D 3985

The figures and above properties refer to typical values which are indicative only. Customers should verify the suitability of the film for its specific end use. Therefore this document will not represent a product specification.

GUIDELINES FOR STORAGE

Temperature should preferably be less than 30°C & humidity 55±5% in storage areas and material should be consumed with three months of receipt. OPP films should be allowed to reach operating room temperature 24 hours before use. Film characteristics are maintained for six months from the date of manufacturing.

PRINTING & LAMINATION

Online corona

FOOD CONTACT

OPP films complies with the requirements of FDA, EC & REACH regulations. Specific documentation is available on request.

SAFETY

Compliance with industrial health and safety standards. OPP films do not present any significant danger to health and safety in the workplace, provided they are used for the intended purpose in accordance with conventional practices and that health & safety regulations are observed. Relevant guidelines can be found in our MSDS (available upon request).

CAUTIONS

- Film characteristics are maintained for six months from the date of invoicing
- Please make sure printing surface is well dried before lamination