

BOPP CO-EX
ANTI - FOG
FILM

Food grade anti fog film for cold fog application, fresh fruit and vegetable packing. It prevents water droplets on package while help packaged foods stay transparent and longer shelf life. TFI offers excellent anti fog and transparent co-extruded film. **Anti fog side is activated or migrated by the treatment.** Excellent machinability, clarity, good heat seal strength, good dimensional stability and flatness.

PRODUCT CODE

NO. OP – 112 X

TECHNICAL DATA

TYPICAL PROPERTIES	UNIT	TEST METHODS	TYPICAL VALUE				
THICKNESS	micron	Micrometer	20	25	30	35	
YIELD	m ² /kg (min.)	-	55.56	44.44	37.04	31.75	
DENSITY	g/cm ³	ASTM D-1505	0.90	0.90	0.90	0.90	
AVERAGE THICKNESS VARIATION	% (max.)	ASTM E-252	± 3	± 3	± 3	± 3	
TENSILE STRENGTH	kg/mm ² (min.)	MD	ASTM	13	13	13	13
		TD	D-882	24	24	24	24
ELONGATION AT BREAK	% (max.)	MD	ASTM	220	220	220	220
		TD	D-882	70	70	70	70
THERMAL SHRINKAGE (120°C 15min.)	% (max.)	MD	ASTM	4.0	4.0	4.0	4.0
		TD	D-1204	2.0	2.0	2.0	2.0
C.O.F.	film/film	ASTM D-1894	0.2-0.3	0.2-0.3	0.2-0.3	0.2-0.3	
SEALING TEMPERATURE	°C	1 BAR 1 SEC	135	135	135	135	
SEALING STRENGTH	g/cm (min)	-	180	200	200	200	
HAZE	% (max.)	ASTM D-1003	2.0	2.5	2.5	2.5	
GLOSS (angle 45°)	% (min.)	ASTM D-2457	75	75	75	75	
WVTR	g/m ² /24 hr (max)	ASTM F-1249	8	6	4	4	
O2TR	cc/m ² /24 hr (max)	ASTM D-3985	2,000	1,800	1,600	1,400	
ANTI FOG (COLD FOG)	(Min.)	TFI WI-QC-QC038	acceptable	acceptable	acceptable	acceptable	
WETTING TENSION (antifog /unprinted side) (antifog /printed side)	Dyne/cm (min).	ASTM D-2578	36/32	36/32	36/32	36/32	
			36/36	36/36	36/36	36/36	

DESCRIPTION OF SUPPLY

PAPER CORE I.D.	77 mm (3 in.) 153 mm (6 in.)
ROLL O.D.	max. 800 mm
WIDTH RANGE	100 mm – 1,500 mm. Allowance 0,+3 mm
LENGTH RANGE	STANDARD 4,000 m., 6,000 m., (other length on request)
JOINT	maximum 10% per order

Food approval : complied with FDA & EU regulations (on request)

Storage condition : should be keep at ambient temperature ~ 30°C and not over 40°C. and keep in dry storage.

FURTHER TECHNICAL INFORMATION ON REQUEST

The above standard film properties are subjected to change and periodical modification without prior notice, please re-check for the most update version with our Sales & Marketing Department.