



**BOPP CO-EX
METALLIZABLE
GRADE**

Special designed for vacuum metallized application.
Excellent metal adhesion and both sides heat sealable
with good seal strength.

PRODUCT CODE
NO. OP - 121 R2

TECHNICAL DATA

TYPICAL PROPERTIES	UNIT		TEST METHODS	TYPICAL VALUES			
THICKNESS	micron		Micrometer	18	20	25	30
YIELD	m ² / kg (min.)		-	61.73	55.56	44.44	37.04
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 D-882	13	13	13	13
		TD		24	24	24	24
ELONGATION AT AT BREAK	% (max.)	MD	ASTM D-882	200	200	200	200
		TD		70	70	70	70
THERMAL SHRINKAGE (120°C 15 minutes)	% (max.)	MD	ASTM D-1204	4.0	4.0	4.0	4.0
		TD		2.0	2.0	2.0	2.0
STATIC C.O.F.	film/film		ASTM D-1894	0.5 – 0.7	0.5 - 0.7	0.5 - 0.7	0.5 - 0.7
SEALING TEMPERATURE	°c		1 BAR 1 SEC	125	125	125	125
SEALING STRENGTH	g/cm (min.)		-	100	100	100	100
HAZE	% (max.)		ASTM D-1003	2.0	2.5	3.0	3.0
GLOSS (Angle 45°)	% (min.)		ASTM D-2457	75	75	75	75
WVTR	g/m ² /24 hr (max.)		ASTM F-1249	9	8	6	4
O ₂ TR	cc/m ² /24 hr (max.)		ASTM D-3985	2,100	2,000	1,800	1,600
WETTING TENSION	Dyne/cm (min.)		ASTM D-2578	38	38	38	38

DESCRIPTION OF SUPPLY

PAPER CORE I.D.	77 mm (3 in.) 153 mm (6 in.)
ROLL O.D.	max. 600 mm
WIDTH RANGE	100 mm - 1,500 mm. (other width on request)
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.