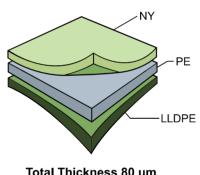


Reduce food losses along production and supply chains. Powerful Antimicrobial and high barrier all in one solution for an eco-friendly food packaging.

Features



Total Thickness 80 um



1. The transparency of the film is good, so the contents are clearly visible



2. V-groove processing makes it easy to open











Why Do you need to use Antimicrobial vacuum packaging?



Inhibition of Microbial Growth



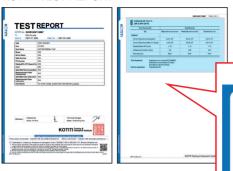
Expanding shelf life of food

< Anti microbial + High gas barrier Effect >

Our antimicrobial packaging is extending the food shelf life more 10 days depending on the producer's initial hygiene and food safety conditions.

Test Result

KOTITI TEST REPORT

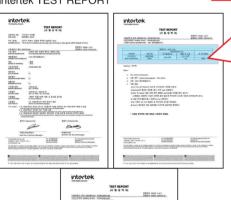


Results of extensive antimicrobial tests for Gram-negative and Gram-positive bacteria. Target bacterias (Yellow Staphylococcus, Pneumococcus, E. coli)

Antibacterial TEST, % (JIS Z2801:2010)

Test Conducted	Test Results				
(A) Sto	phylococcus aureus	Klebsiella pneumoniae	Escherichia co l i		
Original					
Control Specimen(Inoculated)	5.3 X 10⁵	5.6 X 10⁵	5.9 X 10⁵		
Control Specimen(After 24 Hours)	1.6 X 10°	5.9 X 10°	6.2 X 10°		
Sample(After 24 Hours)	< 10	< 10	< 10		
Antibacterial Activity Value	5.2	5.8	5.8		
Reduction(%)	99.9	99.9	99.9		

Intertek TEST REPORT



 배양조건 : 35 C, 24 hr

 시험균주
 시험구분
 시험결과(CFU/ mL)
 균 감소율(%)

 리스테리아
 CONTROL
 1.3 X 10⁴
 2.3 X 10⁴

 모노사이토제네스
 TGFS
 < 10</td>
 99.9

Antibacterial test results of Listeria monocytogenes known as low-temperature growth food poisoning bacteria (conditions:35 degrees for 24 hours)



216 218



35°C, 24 hr

초기균수(1.3X10⁴ CFU/ml)

CONTROL FILM

TGFS 향균필름

Safety



Tab. 1 Acute oral toxicity test results of HEXAGON SHIELD on rats

l	Dose Sex No. of			responses			Mortality	
l	Dose (g/kg)	OCX	animal	s 0	7	14	anima l s	(%)
	5.0	φ	5	174.2+5.67	203.4±6.80	223.4±7.5	50 0	0
	5.0	o [*]	5	177.6+7.02	241.6±12.30	291.2±19.	84 0	0

Remark: *The test was carried out by external laboratory assessed as competent.

SGS Oral Toxicity (5.0g/kg) / Safety than salt

Test Report No: SICPCH17001648.2 Date May 04 2017 Test almal 1 Feet bearing conventional Year 2 Jacks (Year 2 Jacks 2

Tab. 1 DERMAL RESPONSES TO HEXAGON SHIELD

Animal		Observation Time					
	responses	24	1 h	48	h	72	2 h
No.		S	C	S	O	S	0
1 ,	Erythema	0	0	0	0	0	0
'	Edema	0	0	0	0	0	0
2	Erythema	0	0	0	0	0	0
	Edema	0	0	0	0	0	0
2	Erythema	0	0	0	0	0	0
3	Edema	0	0	0	0	0	0

In observation time points each, the average maximal score of dermal irritation is 0

Tab. 2 Grading of skin irritation intensity

Index of skin irritation	Intensity		
0~ <0.5 0.5~ <2.0 2.0~ <6.0 6.0~ 8.0	Non-irritative Gently irritative Moderate irritative Severe irritative		

Remark: *The test was carried out by external laboratory assessed as competent.