

Odor Retention of Soarnol™

The odor retention of various films was tested for 7 kinds of spice A to G by a physically sensory test in the packaged form with small bags. The multilayers film containing the Soarnol™ layer has good odor retention in comparison with other films.

Unit : days

Film Construction	Thickness (μ)	A	B	C	D	E	F	G
Moisture proof cellophane // PE	20//50	1	1	20	1	1	5	20
PVDC coated cellophane // PE	22//50	5	5	30	5	20	5	20
PVDC coated OPP // PE	22//50	5	1	1	1	5	1	5
OPP // Soarnol™ E* / PE	20//15/50	30	over 30	over 30	30	30	over 30	over 30

*EVOH-38

Spice: A --- Vanilla

B --- Heliotrope

C --- Camphor

D --- Sauce

E --- Pickled scallions

F --- Green tea

G --- Coffee

Testing Method:

Each 5 grams of spice is enclosed into small film bags and the bags sealed are put into glass bottles with stoppers. The sample is kept at 20 °C and the property is evaluated as days of storage that any odor begins to be smelt in the glass bottle.