

High Barrier PE Film

PE / EVOH / PE

Product Information

Features

EVE co-extrusion multilayer film has high oxygen barrier property, fragrance retention, transparency, and also is the environmental friendly product. After laminating with PET, OPP or NY, it can provide packaging materials with proper moisture and oxygen barrier properties, mechanical strength and heat sealing properties.

- Excellent materials for food, medical care, cosmetics, hygienic cleaning products packaging.
- EVE can be printed or laminated with other materials.
- Best for Modified Atmosphere Packaging (MAP) of fresh beef, chicken, pork, seafood products.

General Properties				High Barrier PE Film Series			
Item		Reference Standards	Unit	F1249 EVE 40	F1201 EVE 45	F1257 EVE 55	F1256 EVE 60
Thickness			Micron (μ)	40	45	55	60
Yield point	MD	ASTM D882	Kg/cm ²	140	180	140	240
	TD			120	180	130	250
Break point	MD	ASTM D882	Kg/cm ²	300	380	320	340
	TD			190	290	230	300
Elongation percent	MD	ASTM D882	%	370	330	380	390
	TD			380	390	410	420
Tensile Modulus of elasticity 2%	MD	ASTM D882	Kg/cm ²	3000	5200	3100	6800
	TD			2900	5200	3000	7400
Static C.O.F.	Treated	ASTM D1894	Kg/200g	0.06	0.09	0.07	0.37
	Untreated			0.08	0.09	0.08	0.38
Kinetic C.O.F.	Treated	ASTM D1894	Kg/200g	0.05	0.07	0.05	0.36
	Untreated			0.05	0.06	0.07	0.36
HAZE		ASTM D1003	%	4.8	4.2	5.6	10.4
Oxygen Transmissions Rate		ISO 14663-2	c.c./m ² , 24hrs, atm, 20°C, 65% RH	2.6	0.9	1.3	0.65
Water vapor Transmission Rate		ASTM E96-E	g/m ² , 24hrs, 40°C, 90% RH	15.4	14	10	10.5

(The above are representative/measured values and not guaranteed values)