

Different Barrier Film Properties:

COMPARISON OF BARRIER FILM PROPERTIES

MATERIAL	MVTR	OTR
	(gm/100 sq. in./24 hours)	(c.c./100 sq. in./24 hours/atm.)
Saran 1 mil	0.2	.8-1.1
Saran HB 1 mil	0.05	0.08
Saranex 142 mil	0.2	0.5
Aclar 33C .75 mil (military grade)	0.035	7
Barex 210 1 mil	4.5	0.7
Polyester 48 Ga.	2.8	9
50 M-30 Polyester Film	2.8	9
50 M-30 PVDC Coated Polyester	0.4	0.5
Metallized Polyester 48 Ga.	0.05	.08-.14
Nylon 1 mil	19-20	2.6
Metallized Nylon 48 Ga.	0.2	0.05
PVDC-Nylon 1 mil	0.2	0.5
250 K Cello	0.5	0.5
195 MSBO Cello	45-65	1-2
LDPE 2 mil	0.6	275
Opp .9 mil	0.45	80
EVAL, Biax 60 Ga.	2.6	0.03
EVAL EF-E 1 mil	1.4	0.21
EVAL EF-F 1 mil	3.8	0.025
Benyl H 60 Ga	0.7	0.4
PVC 1 mil	4-5	8-20
Polycarbonate 1 mil	9	160
Polystyrene 1 mil	7.2	4,800
Pliofilm 1 mil	1.7	660

