



OTR of Various Film Samples

OTR of “Soarnol[®]” film and other film samples is shown below.
(20°C, Dry Condition)

Sample	OTR	
	cc·20 μ / m ² ·day·atm	cc·mil/100in ² ·day·atm
Soarnol D,DT(29mol%)	0.23	0.012
Soarnol DC(32mol%)	0.30	0.015
Soarnol E,ET(38mol%)	0.53	0.027
Soarnol A,AT(44mol%)	1.20	0.061
LDPE	7,900	400
HDPE	3,600	182
Polypropylene(PP)	3,900	197
Biaxially Oriented PP	2,300	116
Biaxially Oriented PS	3,900	197
Polycarbonate(PC)	4,500	228
PVC :Rigid	130	6.6
PVC :DOP=30%	2,000	100
Extrudable high barrier PVDC	3.0	0.15
PET	69	3.5
Polyamide(Nylon6)	76	3.8
Biaxially Oriented Nylon	23	1.2
Modified Polyacrylonitrile	16	0.81
Biaxially Oriented PVA	<0.10	<0.005

Data Prepared : 12 Feb. 2008

