



Oxygen Barrier Property of Multilayer Pipe

Oxygen barrier property of multilayer pipe consisting of “Soarnol[®]” is shown in the following.

(1) Test Method

1) Sample

Layer Structure : XPE / Tie / EVOH (Outermost)
EVOH : Soarnol(29mol%,38mol%,44mol%)

2) OTR Measurement

Apparatus : MOCON OX-TRAN 10/50
Condition : Length of pipe=1m, Temp.=20deg C
Humidity(Inner)=100%RH, Humidity(Outer)=65%RH

(2) Result

Soarnol	OTR (cc / m-day-air)	Thickness of Soarnol (μ m)
Soarnol 29mol%	0.0004	158
Soarnol 38mol%	0.0008	144
Soarnol 44mol%	0.0012	158

Data Prepared : 1 Sep. 2003

