

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 : PEX / 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