

## 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 ( $\mu$ m)
Soarnol 29mol%	0.0004	158
Soarnol 38mol%	0.0008	144
Soarnol 44mol%	0.0012	158