MITSUBISHI CHEMICAL

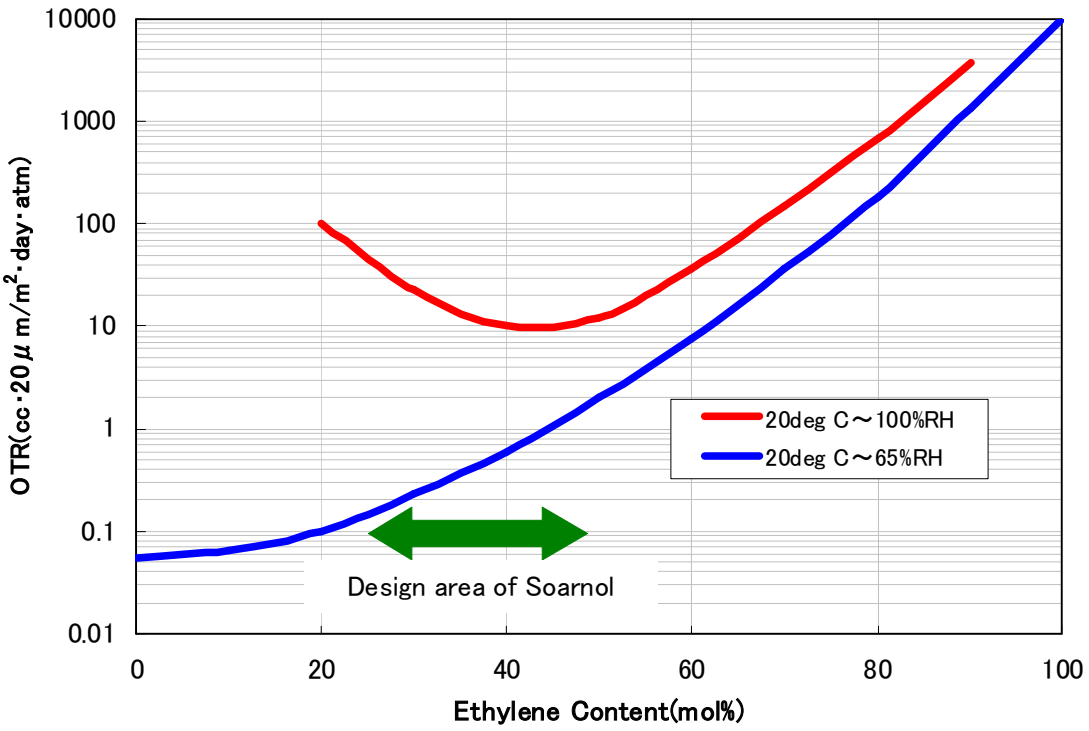
Soarnol™ Technical Note

# Ethylene Content and OTR

Oxygen barrier property between PVOH and PE is shown in the following diagram. When ethylene content of EVOH is low, its molecular structure becomes similar to PVOH. And, its oxygen barrier property is high due to molecular cohesive force of hydrogen bond.

However, the hydrogen bond breaks away under high humidity condition, its oxygen barrier property becomes low.

"Soarnol™" is designed and lined up within the ethylene content which holds high barrier property and isn't affected by humidity so much.






MITSUBISHI CHEMICAL CORPORATION
Advanced Polymers Business Domain, Performance Polymers Div. Soarnol Dept.
1-1, Marunouchi 1-Chome, Chiyoda-Ku, Tokyo 100-8251, Japan
TEL +81-3-6748-7803 FAX +81-3-3286-1239



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