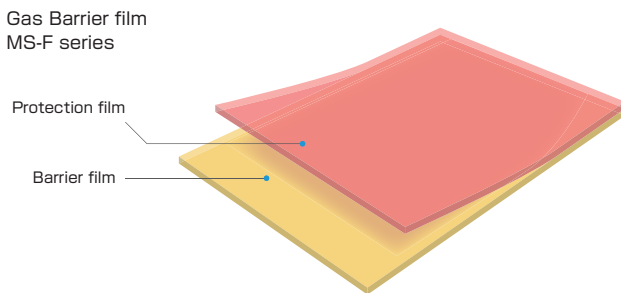


Gas Barrier Encapsulation Materials MS series

Gas Barrier Film MS-F

Relates to our barrier films (MS-F) having a water vapor barrier performance of 10^{-4} g/m²/day or lower and sealing materials. These films contribute to a lower weight and greater flexibility in devices, including organic EL devices (displays and lighting), organic solar cells, and electronic paper.

Composition



Gas Barrier film MS-F series

Protection film

Barrier film

High water vapor barrier property

High transparency , low haze

Neutral color

High flexibility


High heat resistance

Optical isotropy (optical isotropic type)

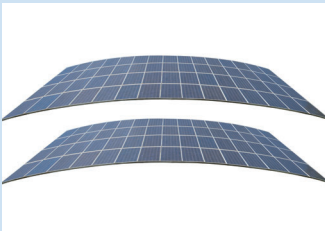
* Excellent barrier properties for gases other than water vapor (H₂, O₂, etc.)

Features

Gas Barrier Encapsulation Materials MS series usage image

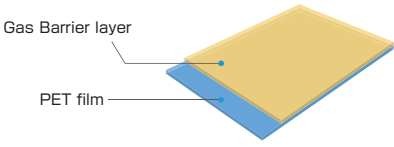


Car roof lighting



Thin film solar cell

Product Line-up

Product	MS-F0025P	MS-F0050P	MS-F2050P
		PET	
Structure			
Thickness	25μm	50μm	
T.t.[%] ^a	91	91	88
Haze(%) ^b	1.0	1.0	1.0
a* [-] ^c	-0.2	-0.2	-0.2
b* [-] ^c	0.8	0.8	0.8
WVTR [g·m ⁻² ·day ⁻¹] ^d	6.0 x 10 ⁻³	6.0 x 10 ⁻³	5.0 x 10 ⁻⁴

*1 Measuring method : JIS K 7136
 *2 Measuring method : JIS K7361-1
 *3 Measuring method : JIS Z8729
 *4 Measuring instrument : AQUATRAN-2 E398 -03 , Test environment: 40°C,90%RH