

## Gas Barrier Resin

# MAXIVE®

**MAXIVE® is new advanced resin  
having excellent gas barrier property**

### For coating / paint

- Giving gas barrier properties to various materials, plastics, steel, and other metals

### For adhesive

- Giving both gas barrier properties and adhesive properties at the same time

## Advantages

- + Excellent gas barrier properties
- + Good adhesive properties
- + Good appearance and transparency
- + High chemical resistance

## Properties

### Agent A : M-100

Component : Poly Epoxy Resin

Appearance : Clear Liquid

NVM : 100 %

Viscosity (25°C) : 2000 mPa·s

### Agent B : C-93

Component : Polyamine Resin

Appearance : Clear Liquid

NVM : 65 % (Solvent : Methanol)

Viscosity (25°C) : 1300 mPa·s

## Gas Barrier Properties

Gas	Unit	Conditions	MAXIVE® 1)	EVOH 2)
Oxygen	cc·mm/m <sup>2</sup> ·day·atm	23 /60%RH	0.03	0.01
		23 /80%RH	0.04	0.09
		23 /90%RH	0.06	1
Water Vapor	g·mm/m <sup>2</sup> ·day	40 /90%RH	0.7	0.7
Fuel	g·mm/m <sup>2</sup> ·day	60	0.05	0.18

1) Curing Condition: 80 °C × 25min

2) Ethylene: 32mol%, Monolayer film

+ The data mentioned above is not guarantee value but representative one.

## Applications

### Coating / Paint

- *Plastic container / film*
- *Electronics*
- *Plastic fuel tank*
- *Sealant*
- *Anti-corrosive paint*
- etc...*



### Adhesive

- *Laminate film / sheet for packaging*
- *Combination with PP, PET, PA, PE films*
- *Industrial & Structural etc...*



**MGC** MITSUBISHI GAS CHEMICAL CO., INC.

Contact:

Planning & Development Division

Aromatic Chemicals Company

**Mitsubishi Gas Chemical Co., Inc.**

Tel: +81-3-3283-4815

Fax: +81-3-3214-0938