

Advanced Protective Coating & Adhesive

# MAXIVE®

Superior Gas Barrier Resin



## MAXIVE® Advantages

- Excellent **Gas Barrier Properties**
- High **Chemical Resistance**
- Strong **Adhesive** with Variety of Films
- Improve **Processability & Clarity**

## Composition & Typical Applications

MAXIVE® Composition			
Component	Material	Color	Viscosity
A	Poly Epoxy Resin	Clear Liquid	2000mPa•s
B	Polyamine Resin	Clear Liquid	1300 mPa•s

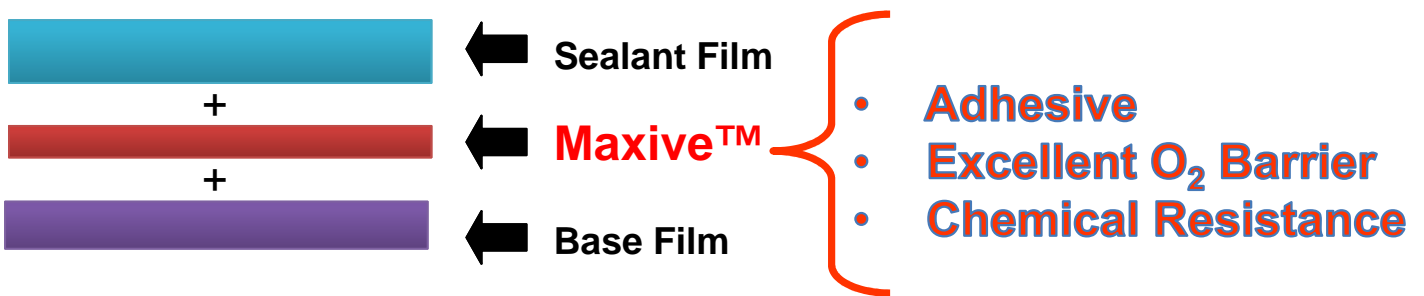
Can be used in various applications where Excellent **Gas Barrier** & **Chemical Resistance** is required



# Adhesive for Barrier Film

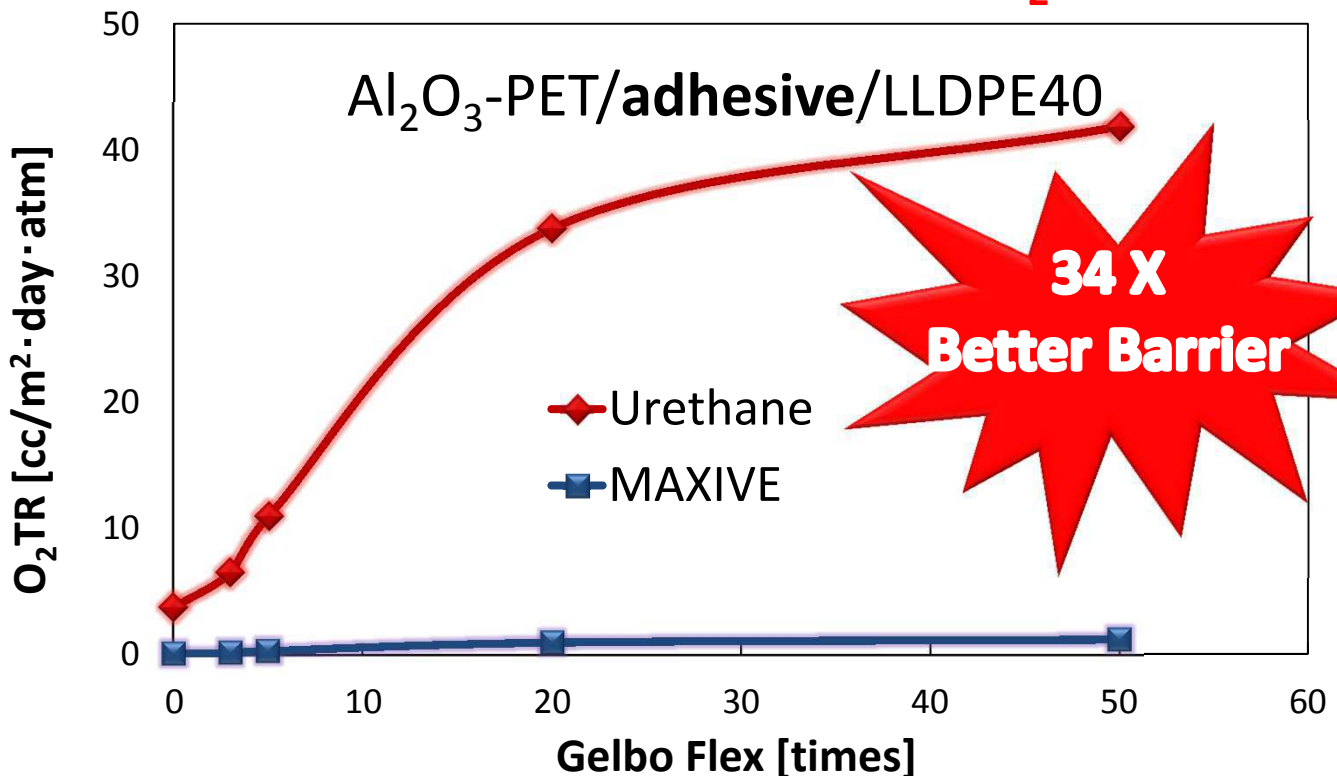
## 3 IN 1 SYSTEM

- *Alternative for conventional gas barrier films*
- *Eliminate need for Urethane Adhesive and Barrier Layers.*



# Excellent Pinhole Resistance

Better Pinhole Resistance = Better O<sub>2</sub> Barrier



# MAXIVE®: Epoxy Resin Coating

**Gives Gas Barrier Properties to Various Materials**



PE, PP & PET containers



Electronics

Gas	Unit	Conditions	Maxive <sup>1</sup>	Typical Epoxy Resin <sup>1</sup>	EVOH <sup>2</sup>
Oxygen	cc · mm / m <sup>2</sup> · day · atm	23°C/60%RH	0.03	3	0.01
		23°C/80%RH	0.04	-	0.09
		23°C/90%RH	0.06	-	1
Hydrogen		23°C/0%RH	6.5	-	-
Water Vapor	g·mm/m <sup>2</sup> ·day	40°C/90%RH	0.2	0.7	0.7
Fuel		60°C	0.05	-	0.18

1. Curing conditions: 80°C / 30 min, 2. Ethylene 32mol%, monolayer film

## Contact Information

[www.aromaticchemicals.com](http://www.aromaticchemicals.com)

### Japan

Mitsubishi Gas Chemical Co., Inc.

Phone: +81-3-3283-4754

E-Mail: [mxda@mgc.co.jp](mailto:mxda@mgc.co.jp)

### China

Shanghai Ryoyo Trading Co., Ltd.

Phone: +86-21-5228-0585

E-Mail: [gejing@ryoyotrading.com](mailto:gejing@ryoyotrading.com)

### Europe

Mitsubishi Gas Chemical Europe GmbH

Phone: +49-211-363 080

E-Mail: [contact@mgc-europe.de](mailto:contact@mgc-europe.de)

### USA

Mitsubishi Gas Chemical America, Inc.

Phone: +1-212-687-9030

E-Mail: [contact@mgc-a.com](mailto:contact@mgc-a.com)

### Singapore

Mitsubishi Gas Chemical Singapore Pte. Ltd.

Phone: +65-6224-0059

E-Mail: [contact@mgcs.com.sg](mailto:contact@mgcs.com.sg)

### Thailand

MGC Trading Thailand Ltd.

Phone: +66-2-670-3417

E-Mail: [contact@mgc.co.th](mailto:contact@mgc.co.th)

