

Advanced Protective Coating & Adhesive

MAXIVET™

Superior Gas Barrier Resin



MAXIVE™ Advantages

- **Excellent Gas Barrier Properties**
- **High Chemical Resistance**
- **Strong Adhesive**
- **Improve Processability & Clarity**

Composition & Applications

MAXIVE™ Composition

Component	Material	Color	Viscosity
A	Poly Epoxy Resin	Clear Liquid	2,000mPa•s
B	Polyamine Resin	Clear Liquid	1,300mPa•s

Can be used in various applications where Excellent **Gas Barrier** especially in VM-PET & **Chemical Resistance** are required

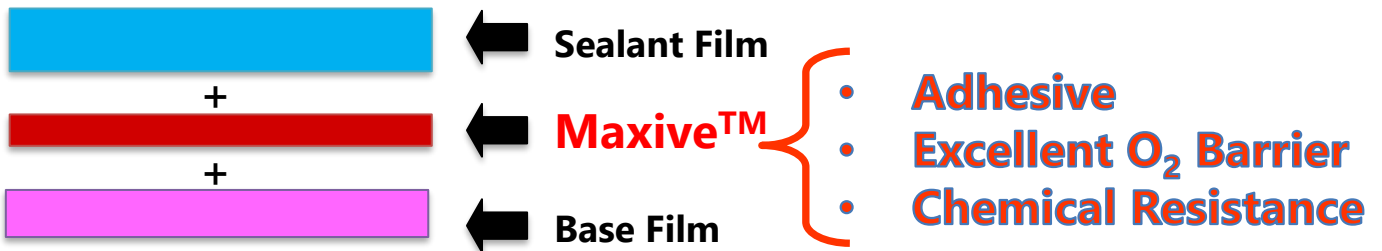
Excellent **adhesion** of dissimilar materials



Adhesive for Barrier Film

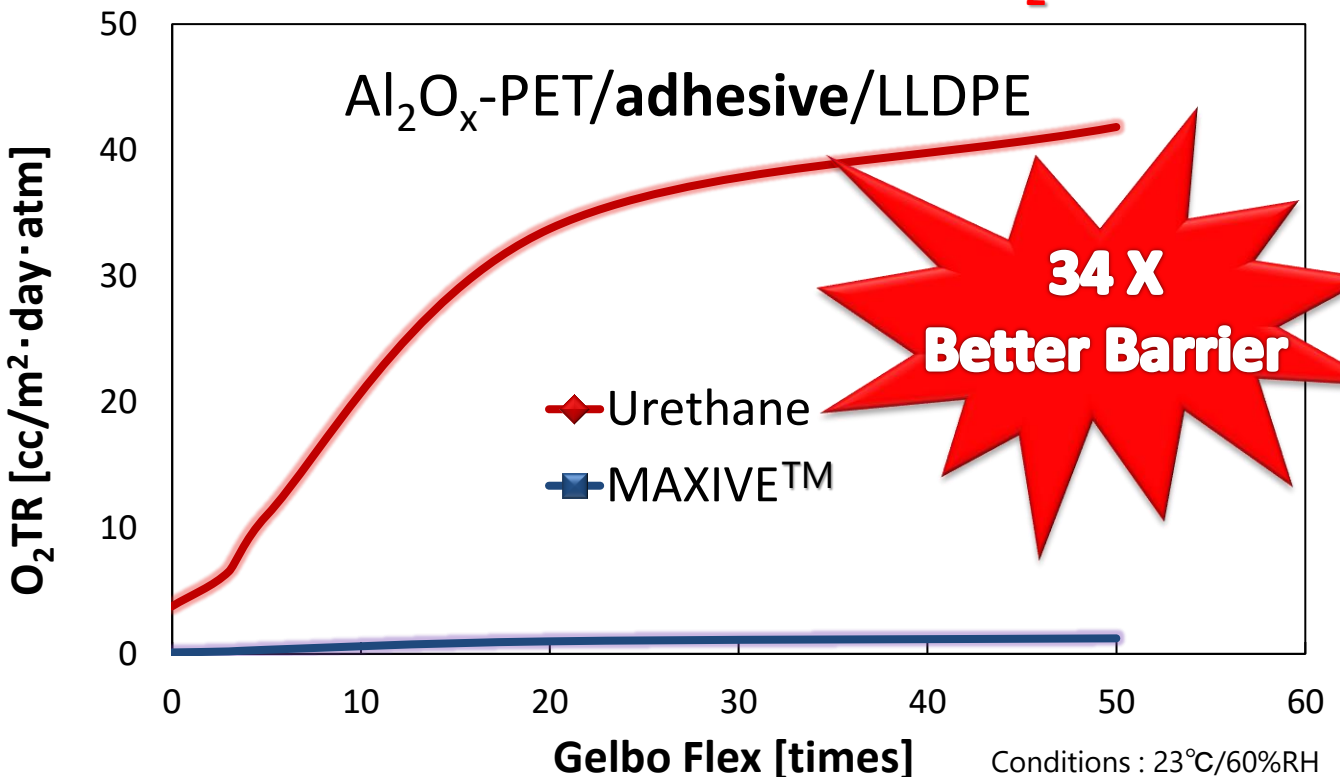
3 IN 1 SYSTEM

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



Excellent Pinhole Resistance

Better Pinhole Resistance = Better O₂ Barrier



MAXIVE™: Epoxy Resin Coating

Gives Gas Barrier Properties to Various Materials



PE, PP & PET containers

Electronics

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

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

Contact Information

<https://www.mgc.co.jp/eng/products/ac/maxive.html>

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