



YECHAN CO.,LTD.



Adhesive Resin

GlueMax™

Functional Resin for Medical Packaging

ProMed™



About YECHAN

YECHAN CO., LTD. specializes in developing high-performance plastic raw materials, offering innovative solutions focused on Adhesive Resin (GlueMax™) for food packaging and IV bag raw materials (ProMed™) for the medical sector.

GlueMax™ maximizes the adhesive performance of multi-layer packaging materials and is recognized for its excellent processability, stability, and safety, securing a competitive edge in the global food packaging market.

Furthermore, our medical-grade raw materials for IV bags are high-purity, non-toxic, and chemically resistant, meeting stringent quality standards.

We contribute to the advancement of the food and medical industries through customized material development and rigorous quality control, and we are leading the way toward a sustainable future by developing eco-friendly materials.

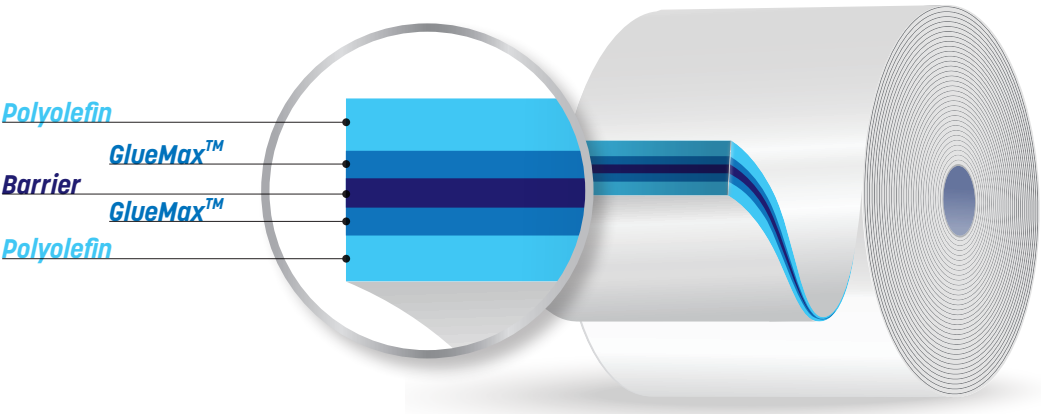
GlueMax™ Core Facts

- Maleic anhydride grafted polyolefin
- Tie resin for multi-layer packaging structure
- Polyolefin-like properties
- Bond to barrier materials and polyolefin materials
 - EVOH, PA, METALS / PP, PE

Packaging Innovation,

**BEYOND
LIMITATION**

GlueMax™ Functional Multi-layer Structure



PACKAGING INNOVATION, BEYOND LIMITATION

KEY FEATURES

OUTSTANDING ADHESION STRENGTH

GlueMax™ delivers outstanding adhesion strength to ethylene vinyl alcohol (EVOH), polyamide (PA), metals, and polyolefins (PP, PE) through a thermal reaction.

DURABILITY

GlueMax™ maintains outstanding long-term adhesion strength even after pasteurization, heat filling, boiling, and sterilization processes.

POLYOLEFIN-LIKE PROPERTIES

GlueMax™ is based on polyolefins or copolymers and therefore retains the physical properties of each, including mechanical strength, heat resistance, chemical resistance, and recyclability.

EXCELLENT PROCESSABILITY

GlueMax™ is a thermoplastic resin that can be easily processed like other polyolefins.

PROCESSING METHODS

- Sheet co-extrusion
- Film co-extrusion (Cast Film, Blown Film)
- Co-extrusion blow molding
- Tube co-extrusion
- Extrusion coating and lamination

Various Applications with GlueMax™

GlueMax™ ensures quality stability across a wide range of packaging applications.

Rigid Packaging

Main packaging materials :
covers, cups, trays, bottles, containers

- Coffee capsules
- Ready meals
- Fruits
- Jellies
- Convenience food (microwave)
- Clinical nutrition

Flexible Packaging

Main packaging materials :
films, casings, pouches, tubes

- Noodles
- Microwaveable meals
- Sauces
- Fresh meat
- Beverage pouches
- Cosmetics



GlueMax™ Grades
for Packaging Applications

PE-base

Grade	MI (190°C/2.16kg)	DENSITY (g/cm³)	VICAT SOFT. POINT (°C)	MELTING POINT (°C)	ADHERENT TO
YC-130A	4.9	0.900	72	118	PE, PA, EVOH
YC-300A	2.0	0.915	76	121	PE, PA
YC-815AF	1.7	0.881	50	105	PE, PA, EVOH

PP-base

Grade	MI (230°C/2.16kg)	DENSITY (g/cm³)	VICAT SOFT. POINT (°C)	MELTING POINT (°C)	ADHERENT TO
YC-789A	3.0	0.898	106	143	PP, PA, EVOH, AL
YC-789AT	2.0	0.900	107	143	PP, PA, EVOH, AL
*YC-789AC	2.4	0.899	95	142	PP, PA, EVOH, AL

CERTIFICATION



NEW DEVELOPMENT

Concentrate grade (*YC-789AC)

- YC-789AC is an improved version of YC-789A, a PP-based adhesive resin. It is a Maleic anhydride grafted, Random PP based concentrate grade.
- Used as a coupling agent and compatibilizer when blended with PP, EVOH, PA, and other polymers.
- Cost savings can be achieved by blending YC-789AC with base PP.



Adhesive strength may vary depending on the characteristics of the user's machine, processing conditions, and the thickness of the tie layer.

Therefore, it is recommended that users determine the optimal mixing ratio of YC-789AC and base PP through extensive testing.

Compound Materials for **Medical IV Bag Films**

Diverse Layer-Specific
Materials Available &
Customized Development
Capabilities



Polypropylene Based
Materials for Each
Layer Available

(Outer, Middle,
Inner Layer / non PVC)



Styrene-Free
Material Available



Excellent
Low Temperature
Impact Strength





**Superior
Heat Resistance**



**Sterilizable
at 121°C**



**High Clarity Even
After Sterilization**



**Use of
Safe Additives**



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YECHAN CO.,LTD.



A company providing functional plastic material solutions to create a sustainable future.
We offer customized solutions based on innovative technologies and expertise.