

Since 1991
JUNGWON GLOBAL

LAMICORE®



(주)중원지엘비
JUNGWON GLOBAL CO., LTD.



◆ INTRODUCE

Since established on October 1, 1991, we have been specializing in manufacturing and selling lamilon products backed by our synthetic resin lamination technology.

A fabric market has been dynamically changed over the time.

To catch up this trend in time, our company keeps developing various new fabrics by much investment into R&D.



We are producing and supplying product LAMICORE to sell our Automotive interior and Architectural interior and exterior Providing great quality and service to our customers is our mission.

We are just with you getting win-win business relationship.
Thank you !

◆ PRODUCTS & BUSINESS AREAS

♣ BUILDING MATERIALS

INTERIOR AND EXTERIOR INSULATION, WATERPROOF, SOUND INSULATION, LAGGING , DUCT INSULATION, HOUSEWRAPS, FLOORING, PIPECOVER, CONCRETE CURING BUBBLE



♣ FOAM CHUSION MAT

INTERIOR WALLPAPER, OUTDOOR LEISURE MAT, CHILDCARE MAT, SHITTING CHUSION YOGA CHUSION MAT, CARPET CHUSION MAT, PUZZLE MAT..



♣ PACKAGE

ELECTRON PACKING, SAFE-ENVELOPE(BUBBLE-FOAM), CHUSHION BLOCK, LAMINATED..



♣ PRINTED & PROCESSING FILM

INTERIOR DECO FILM, ALUMINUM FOIL, ADHESION TAPE, TRANSFER FILM..

♣ OTHERS

BREATHABLE NONWOVEN FABRIC, P.E&P.P TARPAULIN, MATALIZED COATING, ANTISTATIC COATING FILM, WINDOW INSULATION BUBBLE,



◆ HEAD OFFICE

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PRODUCTION FACILITIES

LAMICORE & AIR-BUBBLE & EXTRUDER & DRY LAMINATED COATING

LLDPE·PET·PVC·OPP PRINTED FILM & PE FOAM & SLITTING

◆ LAMICORE HONEYCOMB (2,400MM)



◆ EXTRUDER T-DIE M/C (2,200MM)



◆ AIR-BUBBLE M/C (2,500MM)



◆ GRAVURE PRINTING M/C (2,600MM)



◆ DRY LAMINATING M/C (2,200MM)



◆ HEATING LAMINATED M/C (2,400MM)



INFORMATION OF LAMICORE

World's First · Innovation · Integrated · Cost-Effective



OVERVIEW

LAMICORE is the next-generation polypropylene honeycomb that is going to lead on the market. With its all-round superior properties and competitive pricing, it is fast becoming a popular composite core materials for increasing strengths and stiffness at reduced weight.

FEATURES

♣ Proven Material, Breakthrough Technology

Lamicore polypropylene honeycomb is fast gaining popularity across many diverse industries as the world looks for new materials to improve performance, reduce weight and lower costs. Due to its superior all-round properties at competitive pricing, LAMICORE polypropylene honeycomb has been widely used in many applications that demand strength-to-weight performance.

♣ Superior Core Material

LAMICORE polypropylene honeycomb is typically used as a core material in sandwich constructions whereby it is sandwiched between strong facing skins such as aluminum, steel, wood, paper, nonwoven fabric, fiberglass and various film. The resulting construction behaves much like an I-beam, which benefits from increased strength and stiffness at reduced weight.

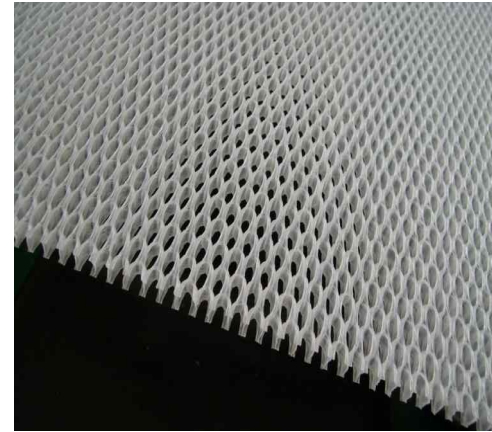
♣ Unique Cell Matrix

LAMICORE polypropylene honeycomb are made up of cell structures that are angled rather than existing honeycomb, more closely resembling honeycomb structures that exist in nature. The angled cell structures give the resulting cell matrix 4 orientations vs. the 2~3 orientations in pp honeycomb matrices. As a result, LAMICORE polypropylene honeycomb properties are more uniform in all directions across the entire sheet of honeycomb.

♣ Superior Quality

LAMICORE polypropylene honeycomb cells fused together rather than glued. Without the presence of glue as the “weakest link” in the honeycomb matrix, Lamicore polypropylene honeycomb sheets are more resilient.

Every cell in a LAMICORE polypropylene honeycomb is very stable. LAMILON's manufacturing technology allows it to produce honeycomb cells that are extremely consistent regardless of any other honeycomb sheet size.



PROPERTIES

♣ Excellent Strength-to-Weight Ratio

♣ Large Operating Temperature Range(-40°C to 110°C)(-40°F to 230°F)

♣ No Absorb Water

♣ Corrosion Resistance

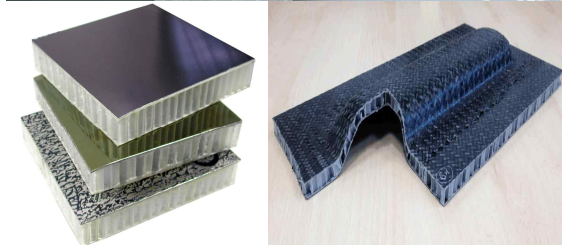
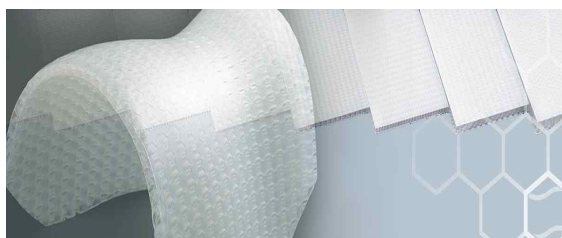
♣ Shock Absorption And Impact Resistance

♣ Fatigue Resistance

♣ Sound Insulation

♣ limited-combustible

♣ Environmentally Friendly



Ease of Application

♣ LAMICORE is easily thermoformed in large sheet and contours easily to the required curvature.

♣ LAMICORE is compatible with most resin systems and the majority of composite manufacturing process.

♣ LAMICORE can be easily glued, welding or cut to shape.

♣ LAMICORE can be easily laminated with a large variety of facing materials.

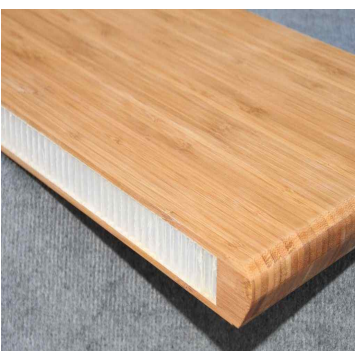
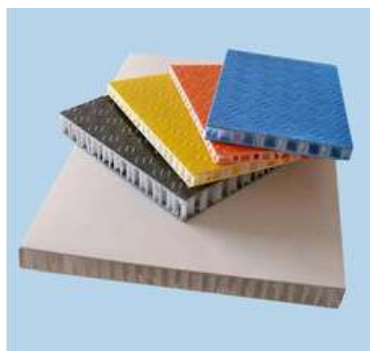
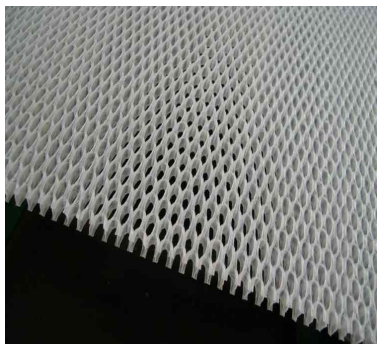
♣ LAMICORE is recyclable.



LAMICORE PP HONEYCOMB

Good-Moldability · Flame Retardant · Elongation · Recyclable

◆ LAMICORE MATERIALS

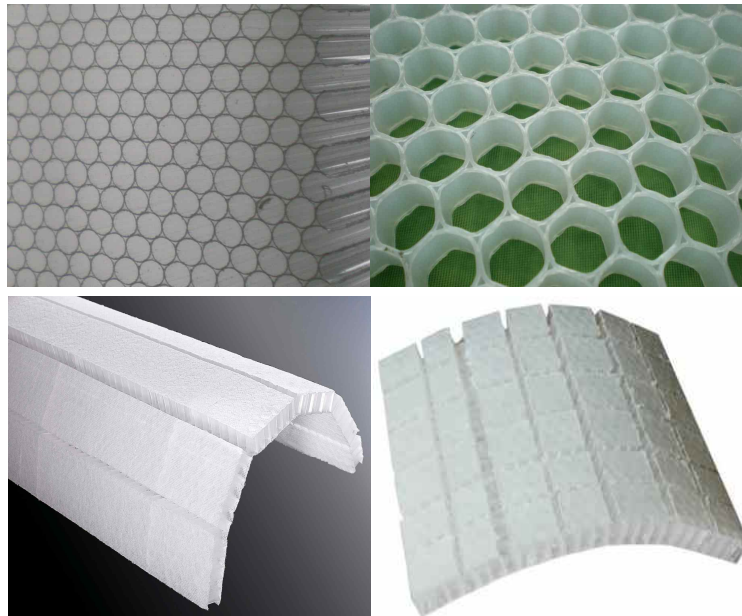


◆ APPLICATIONS



◆ LAMICORE & HONEYCOMB COMPARE

EXISTING PP HONEYCOMB



L A M I C O R E



DISTINCTION	PREVIOUS HONEYCOMB	LAMICORE
STRUCTURE	OPENCELL TYPE	CLOSECELL TYPE
SHAPE	CIRCLE & HEXAGON SHAPE	RHOMBUS SHAPE
CELL SIZE	POSSIBLE CHANGES	POSSIBLE CHANGES
COLOR	VARIOUS COLOR	VARIOUS COLOR
DENSITY	100%	60 ~ 100%
TENSILE STRENGTH	100%	120 ~ 130%
SHEAR STRENGTH	100%	145 ~ 150%
COMPRESSIVE STRENGTH	100%	115 ~ 120%

◆ LAMICORE EXCELLENCE

- ♣ LAMICORE extrusion M/C has been developed and manufactured uniquely by our own technology and it was designed to be a One-Stop production including all production process such as extrusion, foaming, cutting, stacking.
LAMICORE M/C can be easily modified according to different needs of consumers, such as the production cell size, the foaming ratio, and so on. LAMICORE is possible up to 2400MM. So It can be an excellent raw material supply for the global trend that products are going to be larger.
- ♣ LAMICORE is superior in uniform quality, productivity and price competitiveness compared to the conventional compression method of the open-cell structure, because it is made by One-Stop production and integrated with extrusion structure.
- ♣ As LAMICORE can be expanded up to 2 times by foam, it can make products lightening and also can adjust magnification according to products characteristics.
- ♣ LAMICORE can be secondary processing for a variety of applications and satisfy the quality desired by consumers because of excellent formability.
- ♣ Compared with conventional products, LAMICORE may be obtained about 10 to 40% (Relative comparison) higher results in all physical properties because LAMICORE was created by an integrated cross-cell way that has previously never been attempted in the world.
- ♣ If you want to make form flexion, LAMICORE can be molded without breaking even though after secondary processing with aluminium, non-woven fabric, paper and so on.



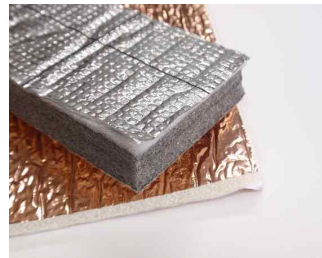
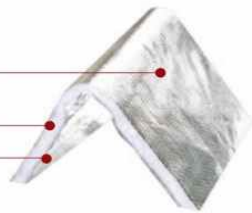
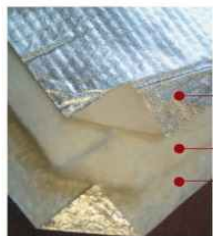
Since by 1991

PRODUCTS

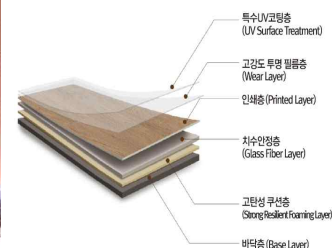
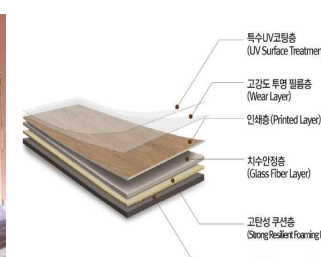
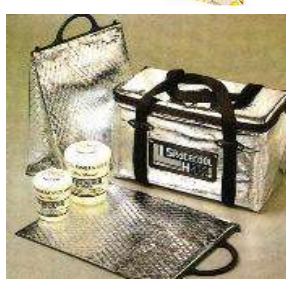
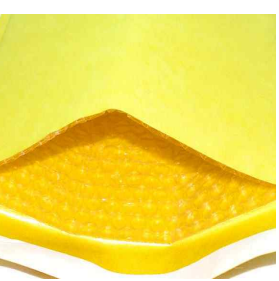
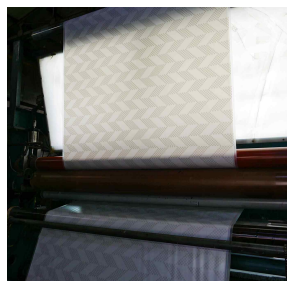
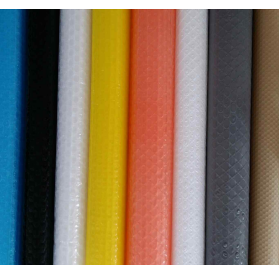
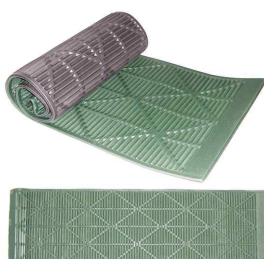
INSULATION & WATERPROOF & LEISURE MAT & PACKAGING

Coating FILM, Foam, Safe-Envelope, Nonwoven, Tarpaulin

◆ INSULATION FOAM · FILM & APPLICATIONS



◆ CUSION MAT & OUTDOOR · LEISURE & INTERIOR DECORATIONS & FILMS



LAMICORE®

- Gravure Printing
 - Extrude Laminating
 - Air Bubble M/C
 - Laminating M/C
 - P.E Foam M/C
 - P.P LAMICORE M/C
 - Dry Laminating M/C
-



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