

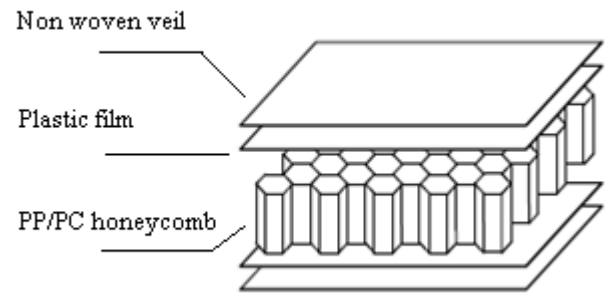


Argosy International Inc

ARGOSY Polypropylene (PP)/Polycarbonate (PC) Core

ARGOSY PP & PC honeycombs are lightweight honeycomb core materials that offer superior strength and corrosion resistance to meet a broad range of commercial and industrial applications. Each cell has a tubular form and is inherently stable.

ARGOSY PP & PC core surfaces are available with polyester, non-woven veil for promoting ease of lamination between various face sheets. Plastic film is available between the cells and the non-woven to prevent resin transfer into honeycomb cells.



Polypropylene (PP) Honeycomb

Features

- Cost-effective solution
- Light weight
- High strength-to-weight ratio
- Stiffness
- Moisture , chemical and corrosion resistant
- Shock resistant
- Energy absorbing
- Thermal and acoustic insulator

Applications

- Marine – decks, boat superstructures, structural sandwich panels
- Tooling - fabricating tooling and moulds
- Truck - truck sides, fairings, guards and hoods
- Wind turbine - canopy housing and rotor fairings
- Sporting goods/recreational vehicles
- Construction: decorative panels



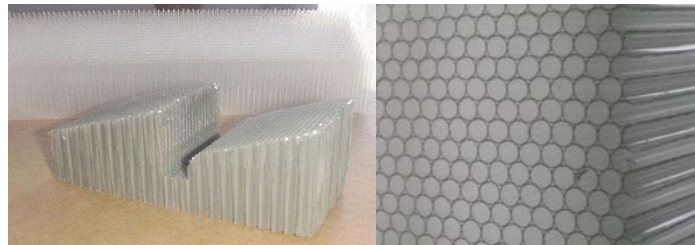
Specification

Specification	APP8	APP10	APP12
Color	White	White	White
Cell size diameter (mm)	8	10	12
Density (kg/m ³)	80-90	75-85	65-75
Compressive strength (MPa)	2.25-2.35	2.10-2.20	2.0 -2.15
Shear strength (MPa)	0.5	0.5	0.5
Thermal conductivity [W/mK, 10 °C]	0.102	0.102	0.102

Polycarbonate (PC) Honeycomb

Features

- Uniform cell structure
- Easily bondable surface
- Airflow direction
- Low shrink rate with temperatures below -30 C.



Applications

- Showcase airflow guides
- Tooling: tooling fabrication and mould building
- Truck: truck sides, fairings, guards and hoods
- Wind turbines: blades, canopy housing and rotor fairings
- Sporting goods
- Construction: decorative panels, repair of metal and concrete surfaces



Specification

Specification	APC4-90	APC6-70
Color	Grey/White/Clear	
Cell size diameter (mm)	3.5	6
Density (kg/m ³)	90-100	70-80
Compressive strength (MPa)	2.4	1.4
Shear strength (MPa)	0.6	0.6
Thermal conductivity [W/mK, 10 °C]	0.061	0.061
Effective Temperature (°C)	-40 ~ +110	-40 ~ +110

For Additional Information

- Contact: sales@argosyinternational.com or honeycomb@argosyinternational.com
- For locations: <http://www.argosyinternational.com/worldwidelocations.htm>