

ARPLANK®

Sustainable high quality packaging solutions

EVERYTHING YOU NEED TO KNOW.

ARPLANK is a highly resilient closed cell bead foam product made out of expanded polyethylene (EPE). During the fusion process, the polyethylene's outer shells are thermally bonded creating a three dimensional sphere or bead that absorbs and dissipates energy. This process has the advantage of creating isotropic blocks making it a highly qualitative and protective packaging option.

PHYSICAL PROPERTIES



Made out of **recycled** material to form an end product that is 100% recyclable.



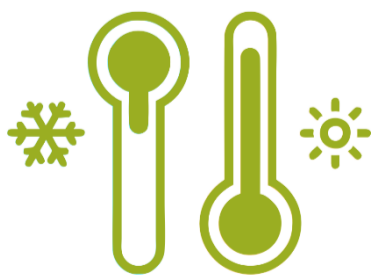
Density optimization making ARPLANK a smaller, lighter and safer packaging option.



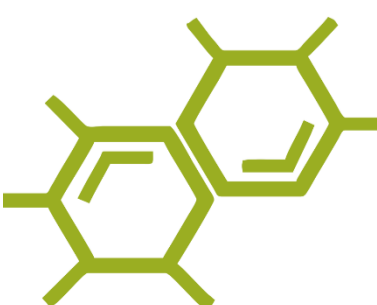
ARPLANK is **chemically inert**; no chemicals used during production and no VOC.



High **shock absorption**, repeated impact resistance.



Isotherm properties: high temperature range from – 60 to 100 C.

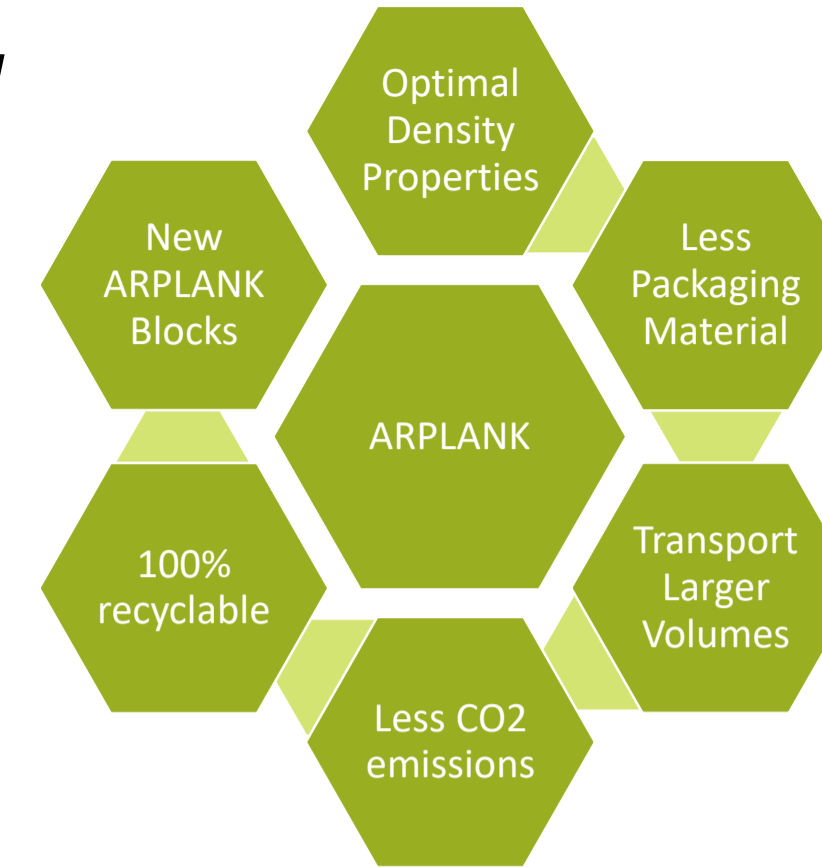


Isotropic Blocks: same impact performance from all 3 axes.

ENVIRONMENTAL BENEFITS

ARPLANK® made out of Expanded Polyethylene (EPE) ARPAK®

- JSP ARPLANK® is one of the only EPE products produced without a VOC blowing agent.
- All ARPLANK® products are fully reusable and recyclable. It is labelled as Recycling Category 4 by the SPI (Society of the Plastics Industry) Recycling Standard.
- All ARPLANK® products are free of CFC's, HCFC's or any ozone depleting compounds.
- All ARPLANK® products are free of any restricted heavy metals, including Lead (Pb) or Lead Compounds, Mercury (Hg) or Mercury Compounds, and Chromuim VI (Cr-VI), or Chromium Compounds, nor do they contain any Halogenated Compounds, or Brominated (Br) Compounds.



PRODUCT PERFORMANCE

ARPLANK is ideally suited as an energy absorbing cushioning material for products requiring shock absorption, vibration dampening, insulation and chemical resistance. It withstands multiple impacts without damage, is very lightweight and is non-abrasive for Class A surfaces. It is also multidirectional in nature. Unlike traditional foams, which yield different properties along the extrusion, vertical and horizontal axes, the properties of ARPLANK are the same regardless of orientation, thus, making it an ideal and versatile product for protective packaging applications.



Excellent Dynamic Repetitive Cushioning.



Highly Resilient Compressive Creep



Outstanding Static Compressive Strength.



Good Shock Absorption/ G-value

PRODUCT MODULARITY

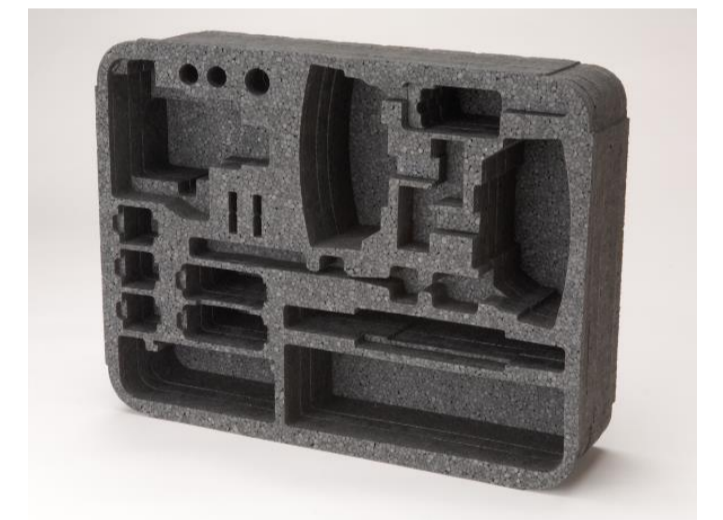
- Available in 150mm thick blocks
- Less gluing necessary due to the size of the blocks
- Easy cutting using all kinds of methods
- Returns to nearly 100% of its original shape after impact
- Minimal concavity, which leads to cleaner cuts

PRODUCT DETAILS

- Colour: Black
- Size: 1800 x 1200 x 150 mm
- Densities: 20 / 30 / 45 (Kg/m³)

APPLICATION

- Automotive Frames
- Case inserts
- Display and storage
- Box linings
- Electronics Packaging
- Consumables
- Seals
- Glass partition walls
- Impact cushioning
- Kayak floats & roof blocks
- Landing and fall mats
- Buoys and floating fenders
- Military applications
- Reusable load carriers
- Seats
- Container for controlled temperatures
- Tool control
- Container and ATA case inserts
- Wall upholstery



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