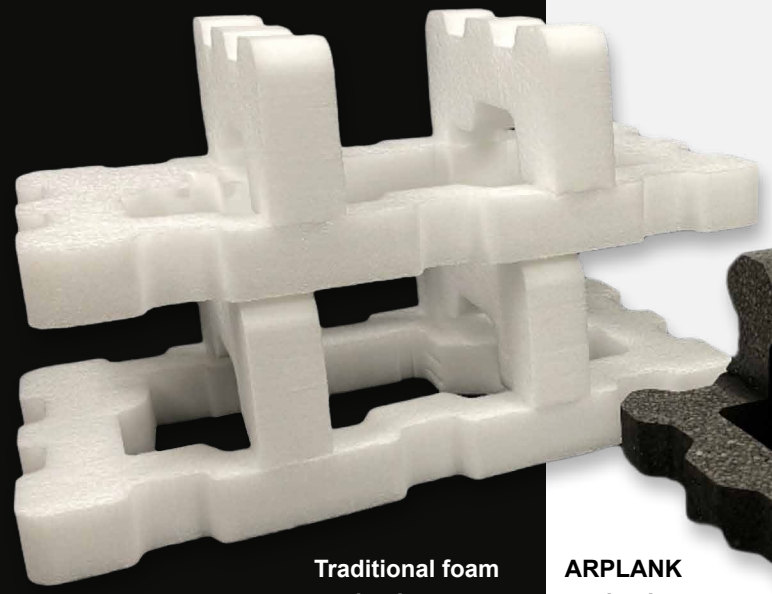
ARPLANK

100% RECYCLABLE &
FULLY SUSTAINABLE
PACKAGING SOLUTION

WHAT IS ARPLANK?

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 bead that absorbs and dissipates energy. The beads are then moulded into isotropic blocks creating a highly qualitative and protective packaging option.

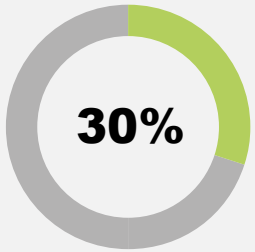


Traditional foam packaging

ARPLANK packaging

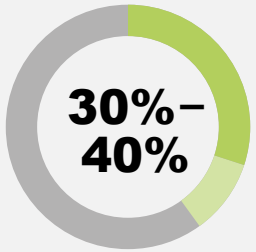
REDUCED PACKAGING VOLUME BY AT LEAST 35% WITH NO CHANGE IN PROTECTIVE PROPERTIES

MATERIAL PROPERTIES



30% RECYCLED CONTENT

100% RECYCLABLE



30-40% MATERIAL SAVINGS
with the same cushioning properties

ARPLANK **PROPERTIES**

ARPLANK is an energy absorbing cushioning material for products requiring shock absorption, vibration dampening, insulation and chemical resistance. This versatility makes it ideal for protective packaging applications.

DENSITY OPTIMISATION

30-40% smaller, lighter and safer packaging option

ISOTROPIC BLOCKS

The same impact performance from all 3 axes

CHEMICALLY INERT

No chemicals used during production and no VOC. Water and oil resistant

HIGH SHOCK ABSORPTION

Multi-directional compression, unaffected by the direction of impact

WIDE TEMPERATURE RANGE

High temperature range from -60 to 100°C

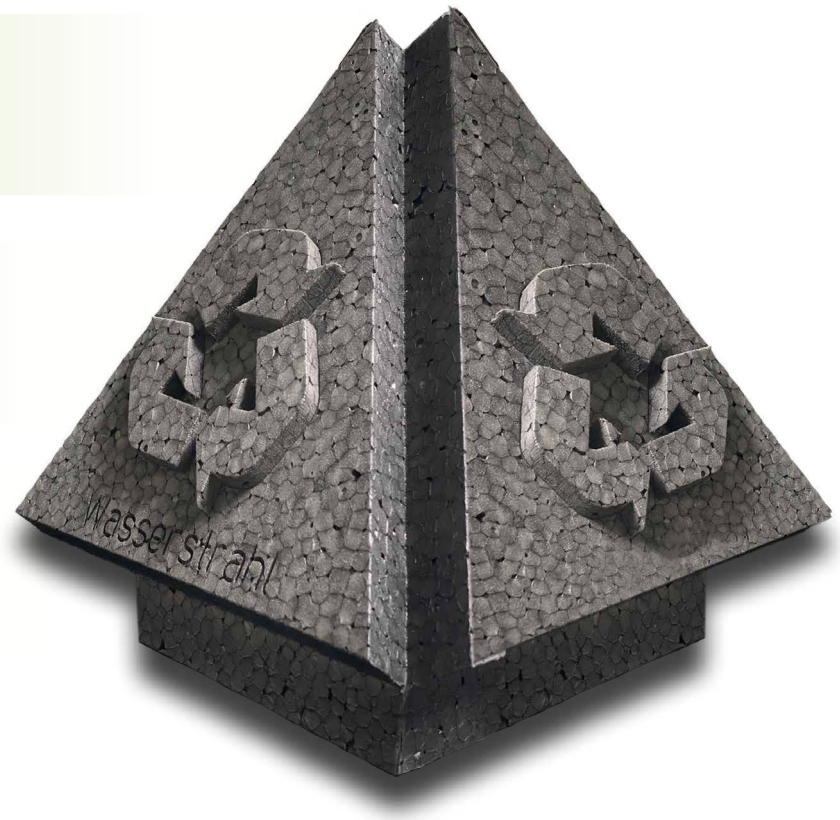
EU DIRECTIVES AND REGULATIONS

ARPLANK can help you achieve EU Directives and Regulations for packaging materials.

Strategy for plastics by 2030
100% plastic in EU must be recyclable

Strategy for plastics by 2030 In the EU, all plastic used for packaging must have minimum 30% recycled content

Green Deal by 2025
50% plastic waste must be recycled

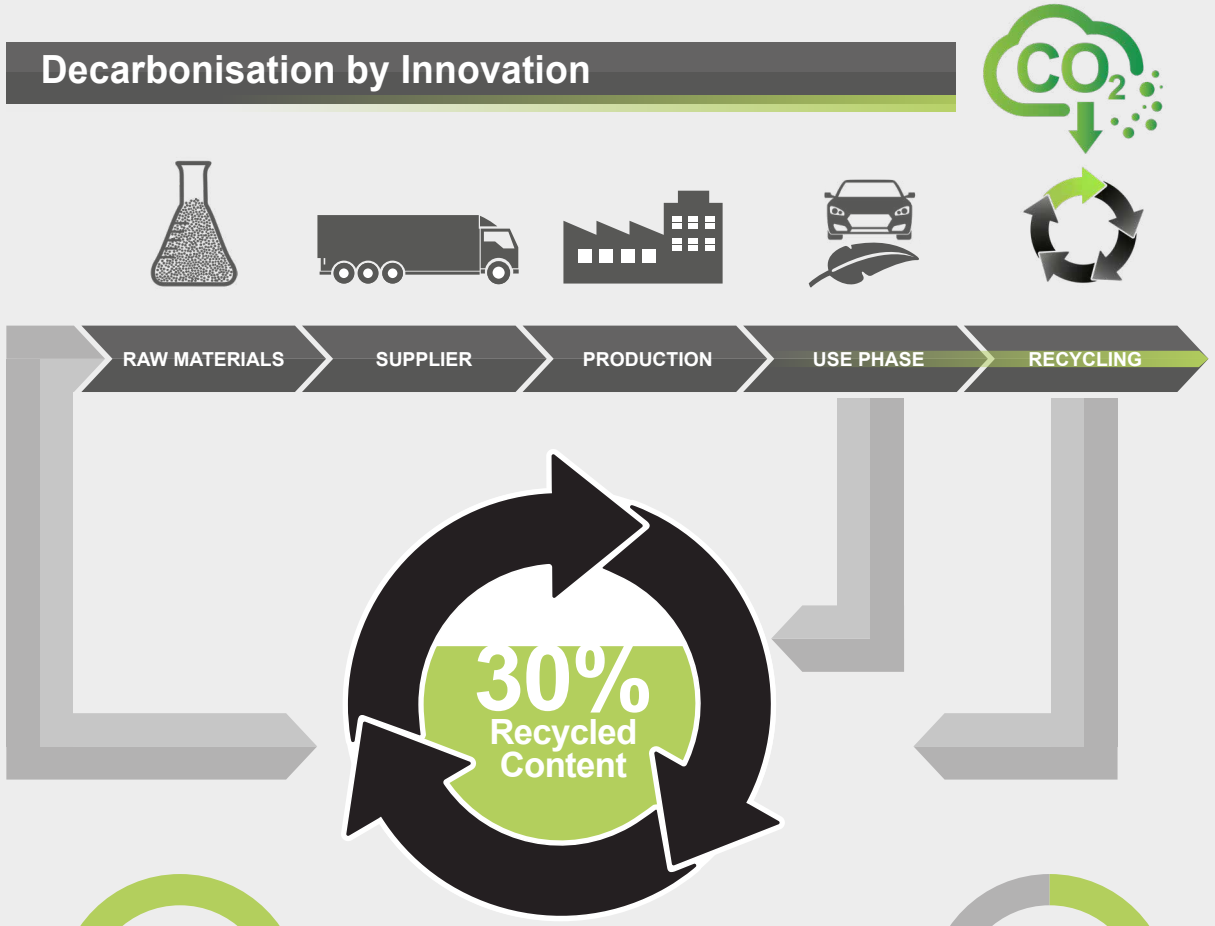


SUSTAINABILITY

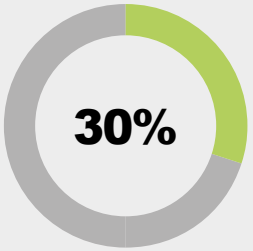
ARPLANK is one of the few EPE products which is produced without VOC blowing agents. When made in Europe it currently contains 30% recycled content.

All ARPLANK products are free of CFCs, HCFCs and other ozone depleting compounds. ARPLANK is free of any restricted heavy metals, such as lead (Pb) or lead compounds, mercury (Hg) or mercury compounds and chromium VI (Cr-VI) or chromium compounds and do not contain halogen compounds or brominated (Br) compounds. Moreover, all ARPLANK products are fully reusable and recyclable.

Based on the European Commission decision 97/129/ED ARPLANK is designated as low-density polyethylene, category 4.



100% RECYCLABLE



MADE FROM 30% RECYCLED MATERIAL IN EUROPE

ARPLANK **ADVANTAGES**

ARPLANK is the best material in the market for compression set, this makes it suitable for reuseable packaging, long-term storage packaging and overseas transport.

REDUCTION

in weight and packaging volume by 30-40%, while maintaining the same technical properties

OPTIMISING YOUR CO_2 BALANCE

Density comparisons (g/l)			
EXTRUDED PE	35	65	90
XPE	30	45	65
ARPLANK	20	30	45

Available in planks sized 2000 x 1200 x 150

Density options 20 / 30 / 45 Kg / m3

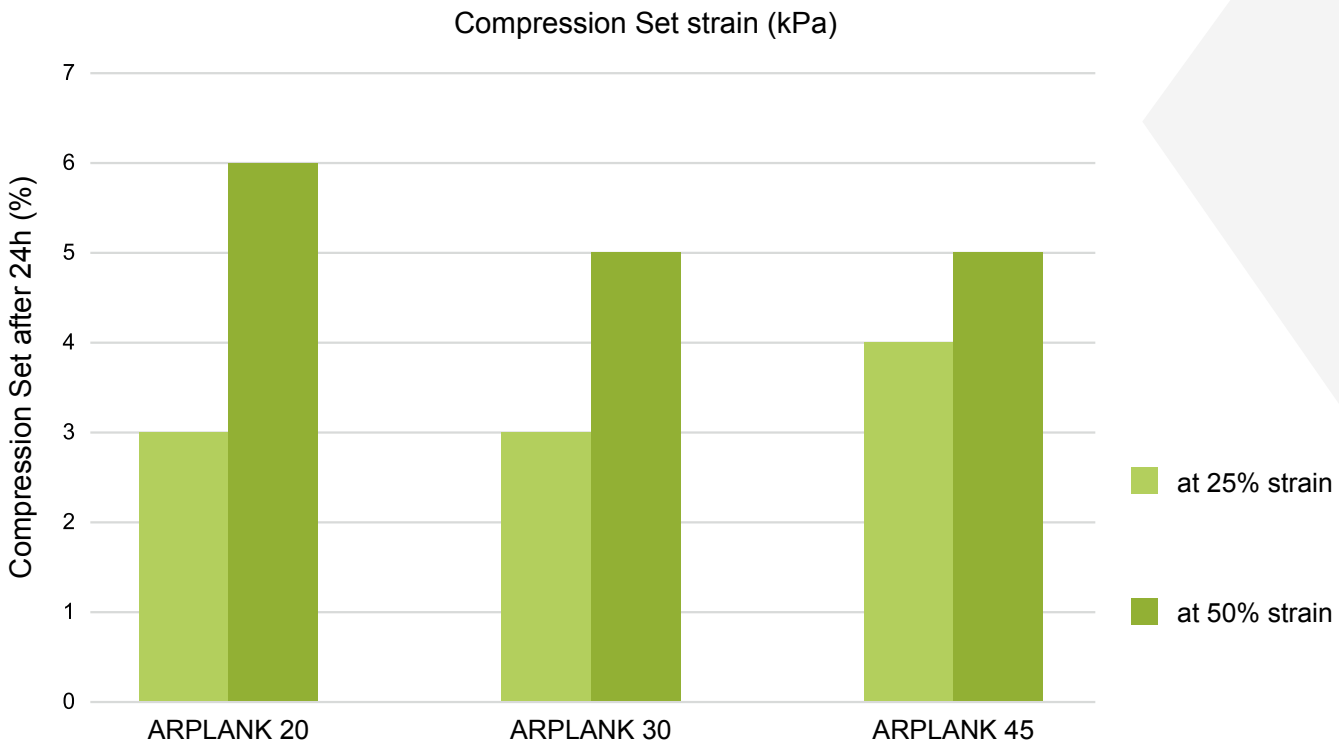
“For us, ARPLANK is the foam material of the future. Not only do we use it to reduce volume of packaging, but the material also fits perfectly into our ReFOAM sustainability strategy. Furthermore, it can be processed excellently through all process flows.”

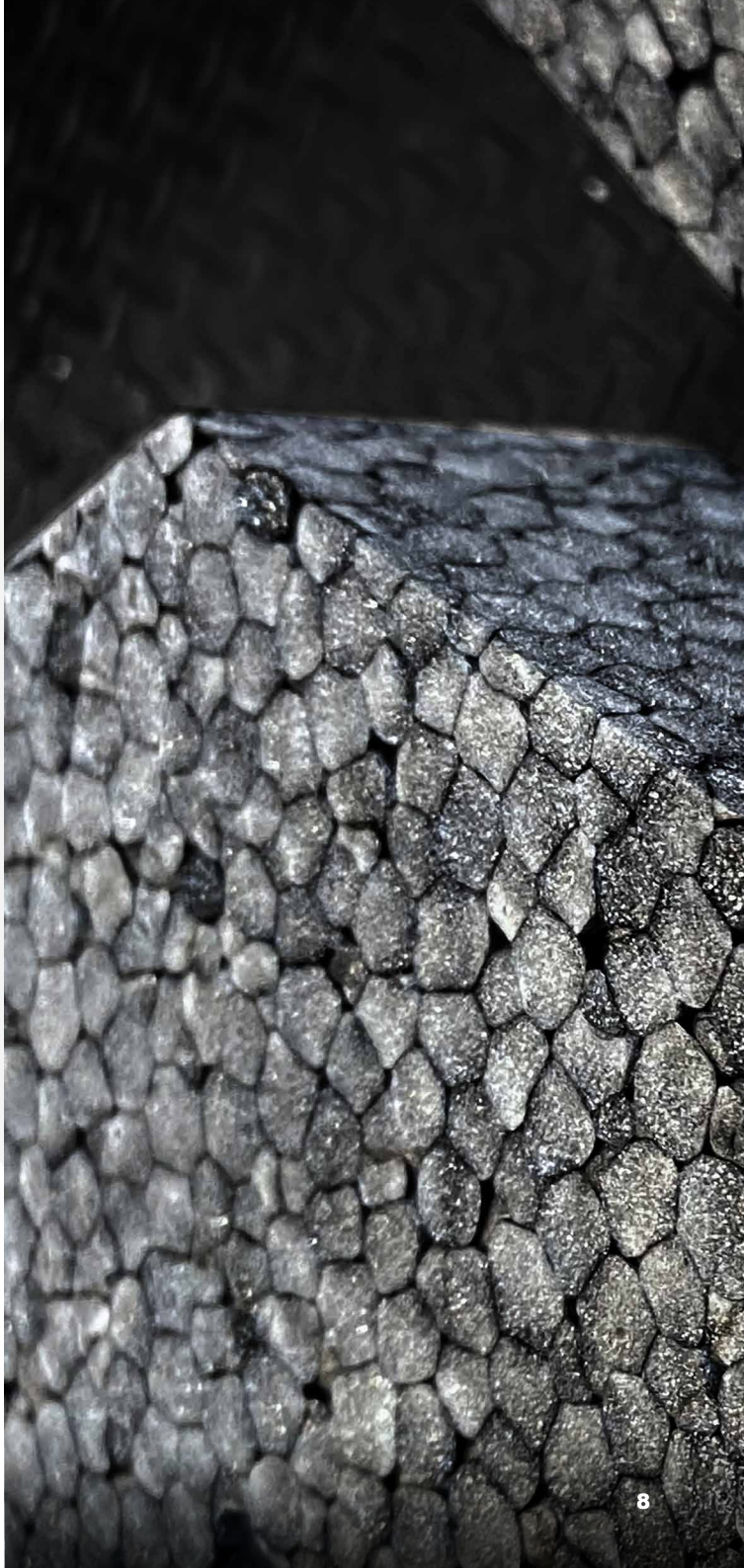
Lara Breitkreuz
Wetropa Marketing

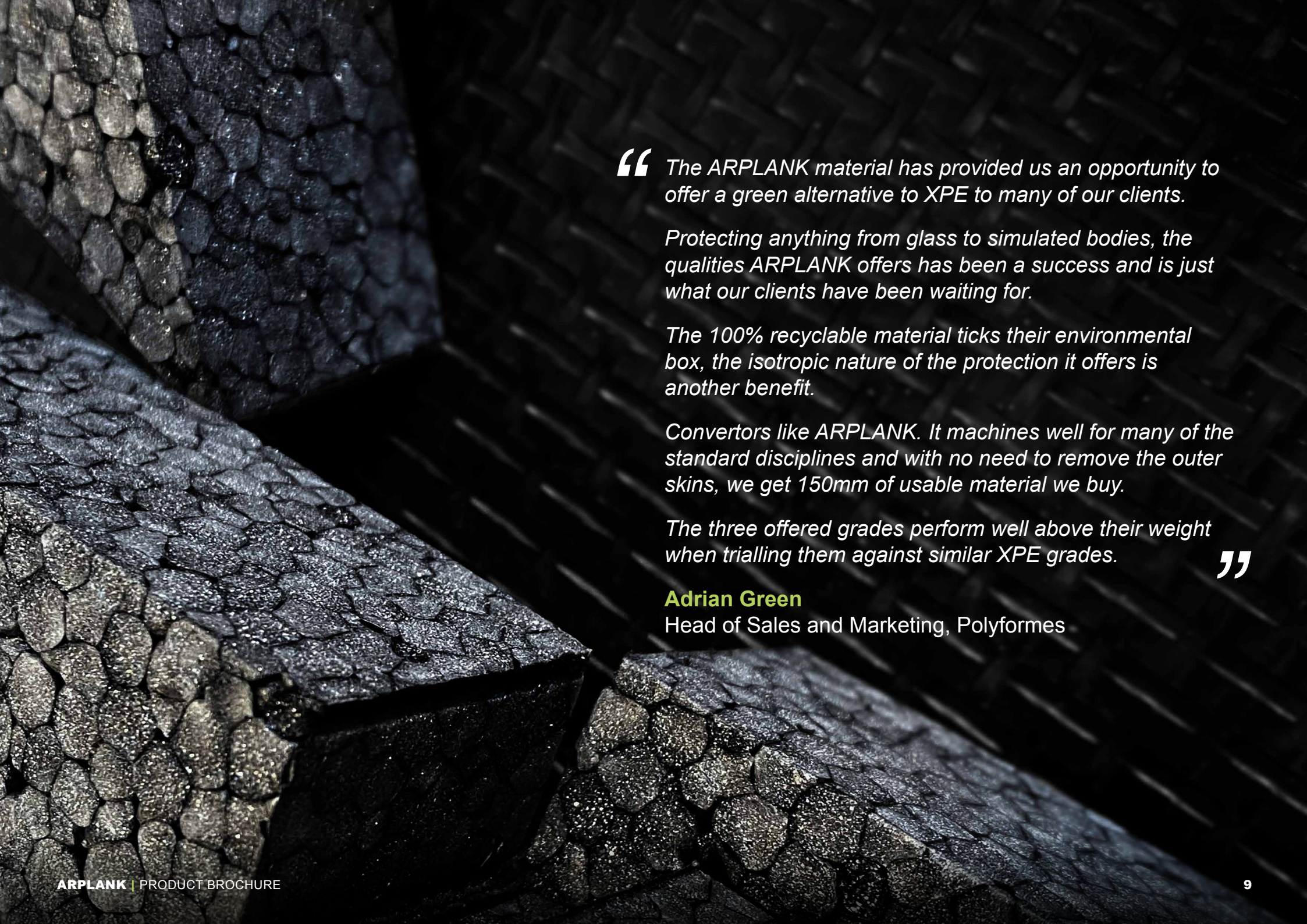
ARPLANK **COMPRESSION SET**

ARPLANK Blocks have an outstanding compression set and return to nearly 100% of their original shape.

COMPRESSION SET IN % THE LOWER THE BETTER







“The ARPLANK material has provided us an opportunity to offer a green alternative to XPE to many of our clients.

Protecting anything from glass to simulated bodies, the qualities ARPLANK offers has been a success and is just what our clients have been waiting for.

The 100% recyclable material ticks their environmental box, the isotropic nature of the protection it offers is another benefit.

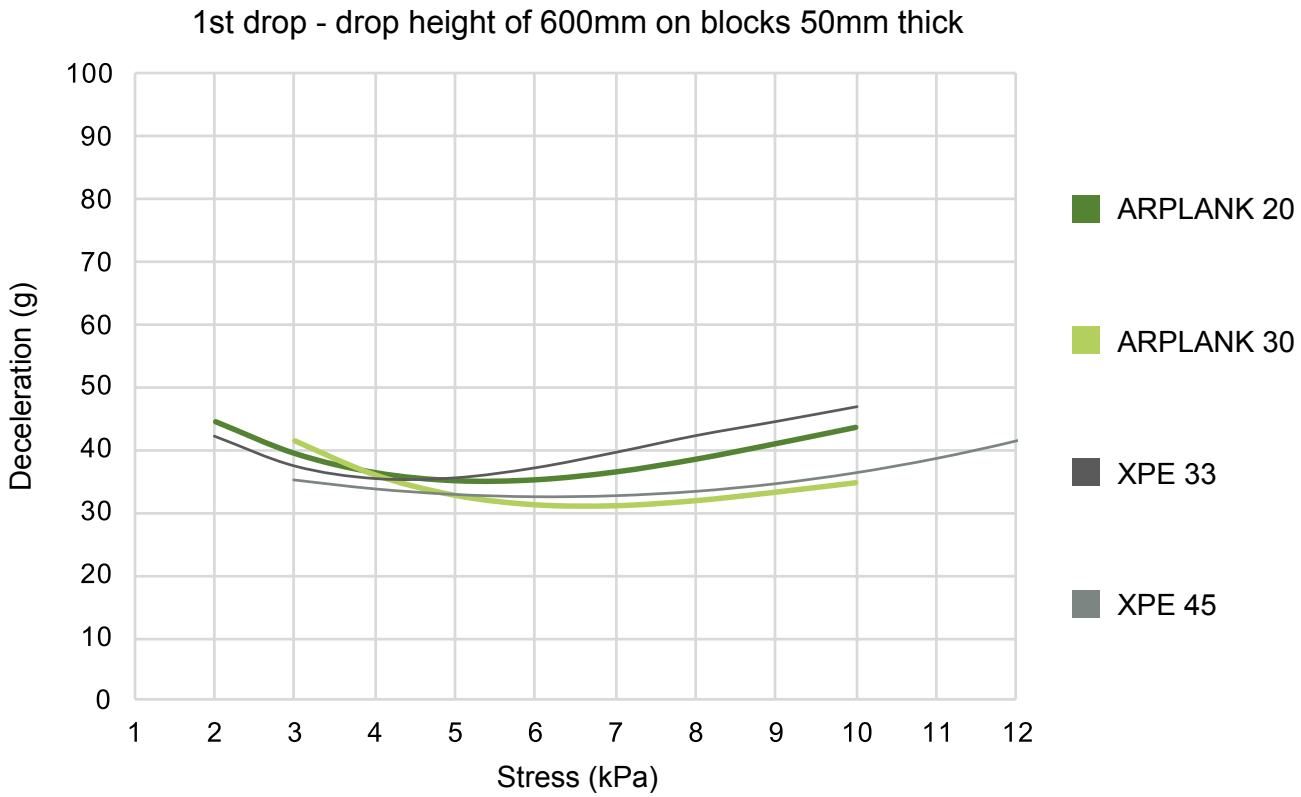
Convertors like ARPLANK. It machines well for many of the standard disciplines and with no need to remove the outer skins, we get 150mm of usable material we buy.

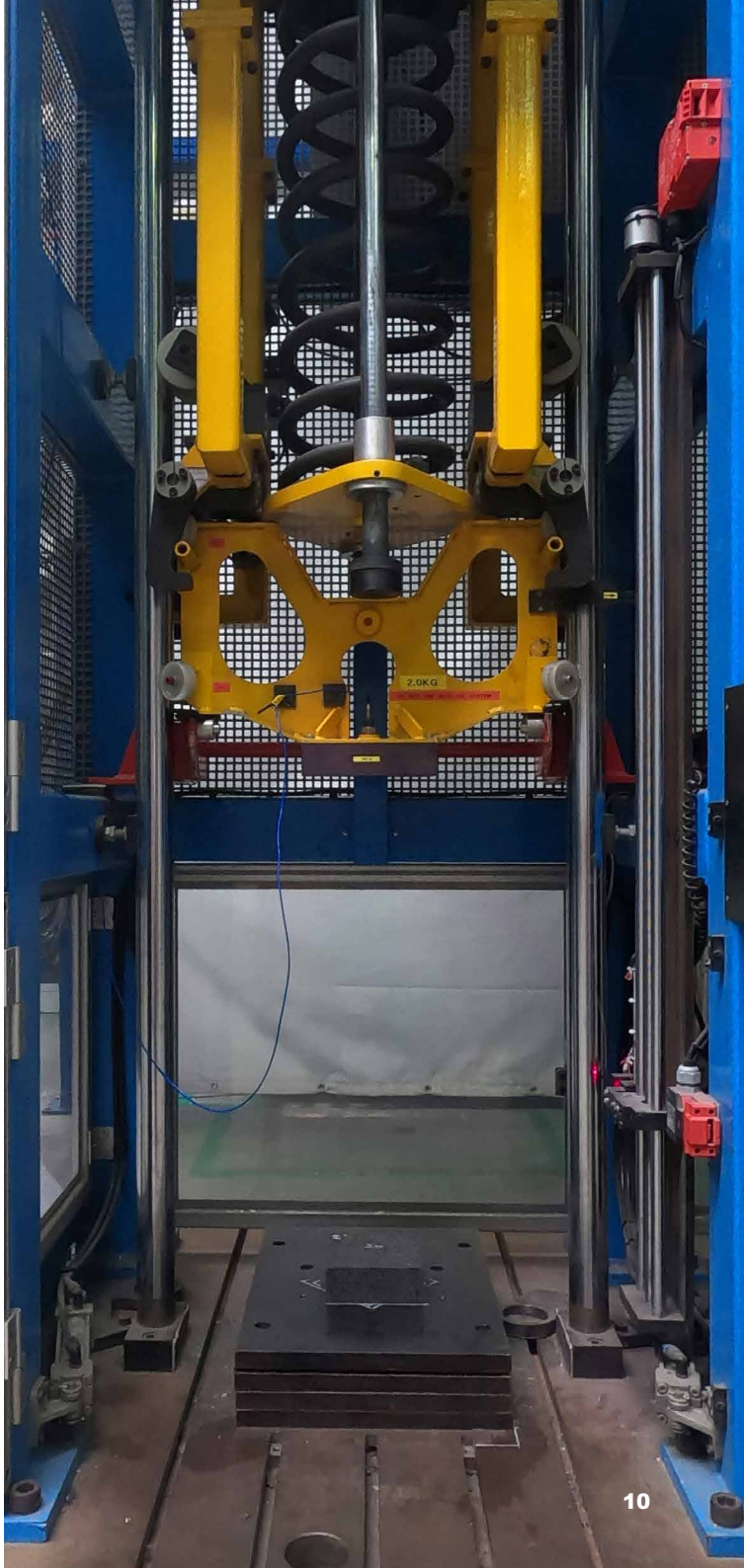
The three offered grades perform well above their weight when trialling them against similar XPE grades.”

Adrian Green
Head of Sales and Marketing, Polyformes

ARPLANK **CUSHIONING TEST**

Due to its density properties, ARPLANK can protect heavier fragile items using less packaging material.





ARPLANK **SCRATCH RESISTANCE**

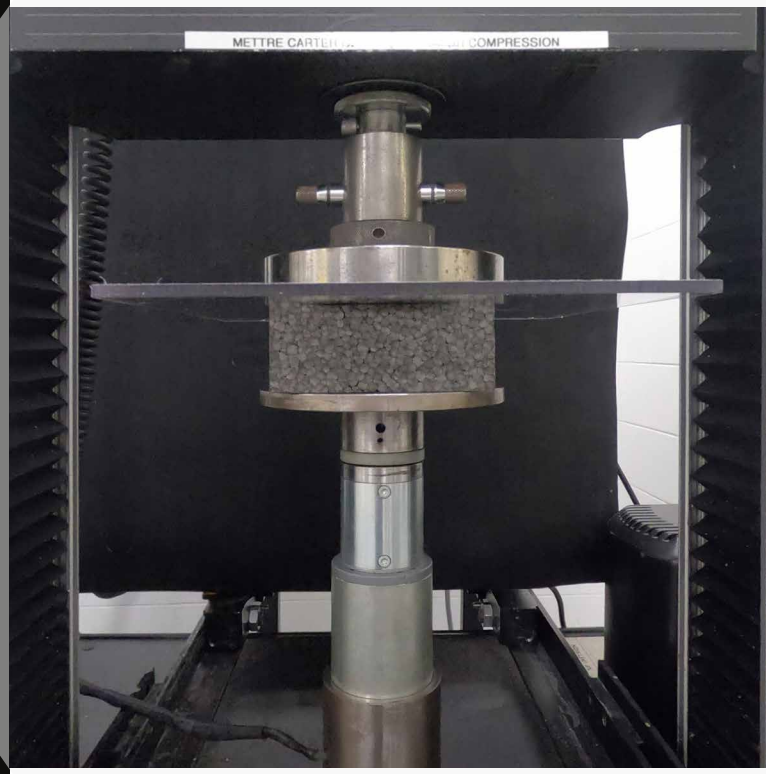
ARPLANK is ideally suited for protection during transportation of products with sensitive surfaces.

ARPLANK 20

Scratched surface
in %: 0.15

Extruded PE 30

Scratched surface
in %: 3.0



ARPLANK **HIGHLIGHTS**

- **100% RECYCLABLE**
- **MADE FROM 30% RECYCLED CONTENT IN EUROPE**
- **ENERGY ABSORBING CUSHIONING MATERIAL**
- **WITHSTANDS MULTIPLE IMPACTS WITHOUT DAMAGE**
- **LIGHTWEIGHT**
- **NON-ABRASIVE**
- **WIDE TEMPERATURE RANGE**

THE COMPANY BEHIND ARPLANK

JSP was established in Japan in 1962. The company has manufacturing facilities in major industrial centers in America, Europe and Asia.

The goal of the company is to WOW customers with innovative products and technologies to offer customers continuous high levels of customer service. There is a focus on sustainability and innovation; to reduce energy consumption and waste materials and the overall environmental impact.

JSP LOCATIONS

ARPLANK

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