

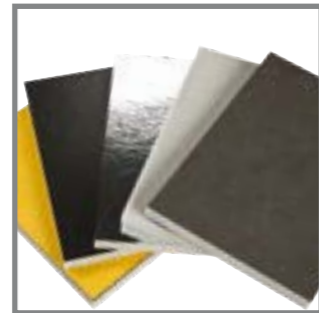


# BPI

BRAMMING PLAST-INDUSTRI A/S  
PureSound



PureSound®  
- enjoy the silence



## From entrepreneur to modern business

Since 1971, BPI has been a leading pioneer of advanced and technology-based solutions in foam to private and public sector entities including transport, healthcare and medical, building and construction, as well as design and technology.

The company is located in three countries and numbers more than 400 specialists to serve our customers in over 20 countries. We apply the very latest technology and manufacturing processes. Moreover, our extensive production capacity enables us to run more than 1,500 m3 of foam daily through our 45,000 m2 production facilities in Denmark and Poland.

Our culture and experience embody deep-seated traditions for craftsmanship and a unique know-how, which enables us to master more than 300 different types and categories of foam. We are big enough to supply the biggest, yet small enough to devote our attention to the individual solution.

Our philosophy is simple: If you can think it - we can get your idea to take shape.

### Mission

To inspire and contribute to the development, design and production of advanced customer-specific comprehensive solutions in foam and rubber materials. We take pride in supplying environmentally-friendly products in high quality and on time.

### Vision

We want to be Europe's most innovative and preferred partner.

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 **BPI**  
foam for *your* purpose

## PureSound

PureSound is a light-weight and self supporting PU-foam, which has excellent sound attenuation and sound absorbing properties. Furthermore, PureSound is an excellent choice for thermal insulation, since it has a lambda value as low as 0,037 W/mK.

PureSound can be combined with heavy-layer materials, and laminated with different surface facings.

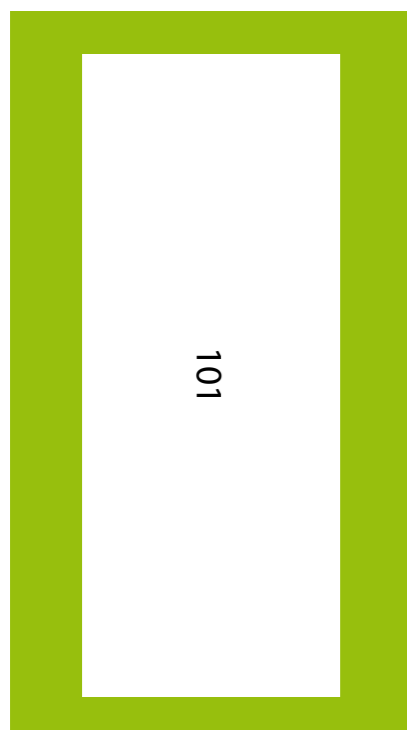
## Environment

PureSound is produced with the highest standards of environmental care. PureSound respects the environment already from foaming stage by using MDI-technology and no formaldehyde.

Since the material is both odour and fibre free, it can be processed and handled all the way to the end user without skin irritations or other inconvenience. Finally, all waste material is recycled as bonded foam.

PureSound represents no known threat to the environment. It is 100 % free of CFC/HCFC and any other ozone depleting effects in its content and manufacture. PureSound is classified as Zero ODP\* and Zero GWP\*\*.

\*Ozone Depletion Potential, \*\* Global Warming Potential.



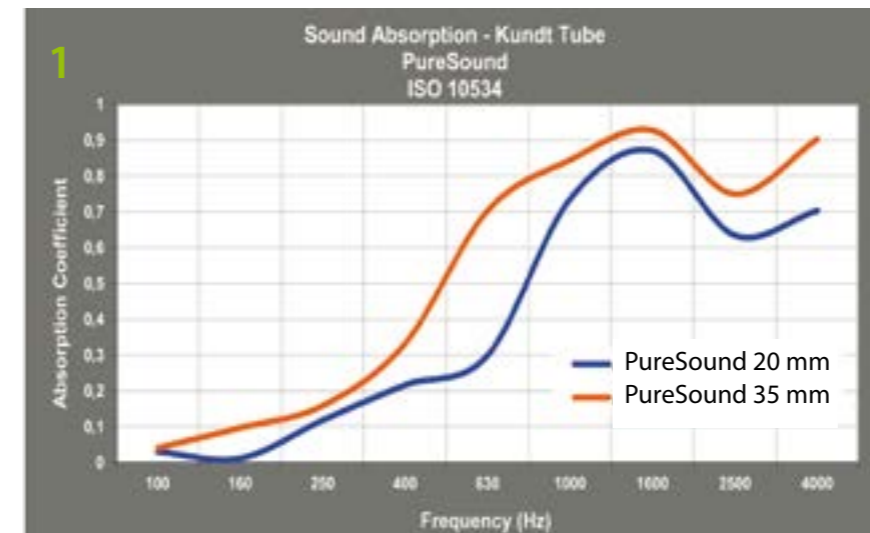
## Fire properties

- Flame-retardant and self-extinguishing foam
- Complies with the new European building directive EN 13501-1 class E
- Complies with the best rating of the automotive standard FMVSS 302 = NBR (No Burn Rate)
- Complies with the UL94 HBF test
- Chars in case of fire without dripping or flowing

## Typical applications

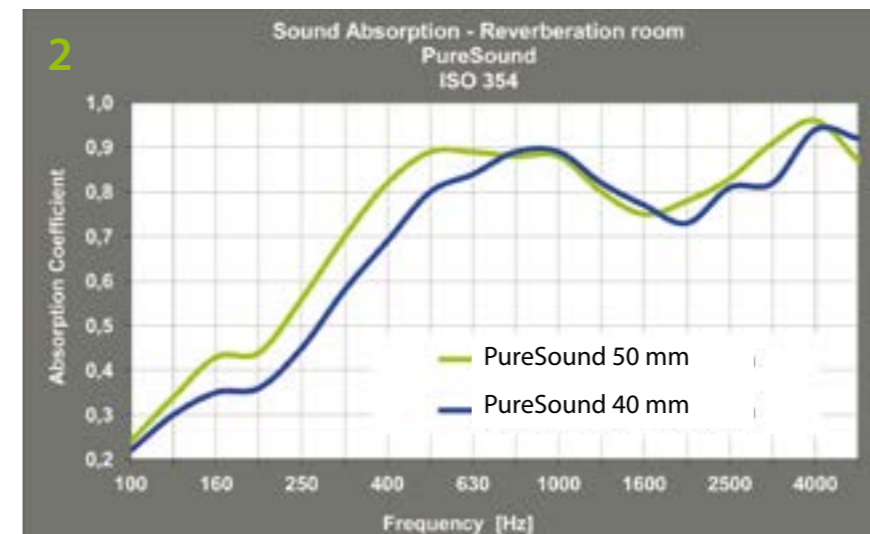
- HVAC aggregates (Heating, Ventilation, Air-Conditioning)
- Transportation
- White goods, appliances and electronic devices
- Industrial machinery
- Office environments in form of partition walls and wall/ceiling panels
- Kindergarten and school environments

TECHNICAL SPECIFICATIONS			
Properties	Test standard	Unit	Specification
Density	EN ISO 845	kg/m <sup>3</sup>	14,0 +/- 2
Compression load deflection	EN ISO 3386/1	kPa	1,1 - 1,7 (25 %) 2,1 - 2,9 (40 %) 2,9 - 4,1 (50 %) 6,0 - 8,0 (65 %)
Tensile strength	ISO 1798	kPa	20 - 40
Elongation at break	ISO 1798	%	30 - 60
Operation temperature	Long term exposure Peak exposure 60 min.	°C	-30 to +100 -40 to +120
Thermal conductivity	EN 12667 -5 to +20 °C	W/mK	0,037 +/- 0,003
Flammability	EN 13501-1 UL 94 FMVSS 302 ISO 3795 DIN 75200	Class Class Class Class Class	E HBF NBR NBR NBR



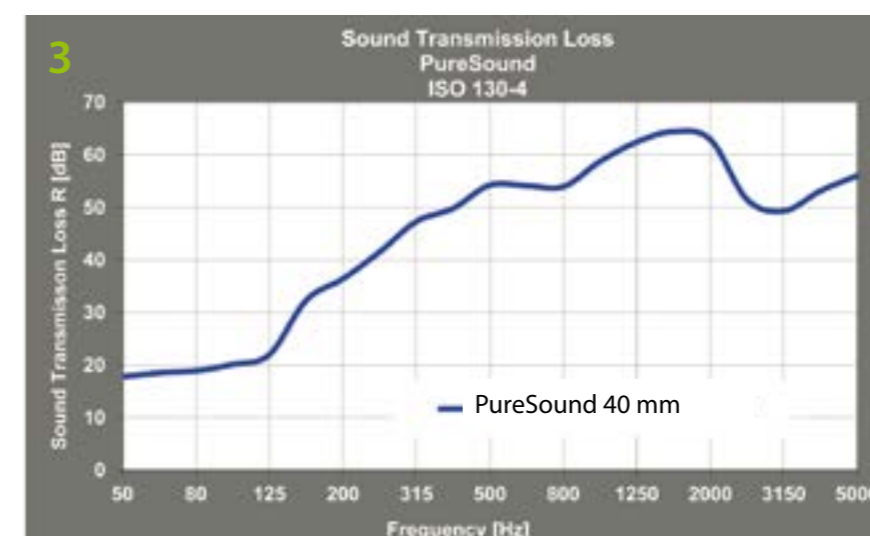
## Diagram 1

**Kundt Tube, ISO 10534**  
The Kundt Tube test shows how well the PureSound is at absorbing sound, e.g. when encapsulating industrial machinery, ventilation aggregates, etc.



## Diagram 2

**Reverberation room, ISO 354**  
The Reverberation room test shows that PureSound is an excellent choice for improving the acoustic environment in offices, kindergartens, etc.



## Diagram 3

**Sound Transmission Loss, ISO 130-4**  
The Sound Transmission Loss test proves that you can get an excellent airborne sound insulation by using PureSound.

The diagram shows a test of a sandwich construction with 2 x 12.5 mm plasterboard/50 mm U-profile with 40 mm PureSound/2 x 12.5 mm plasterboard.