



InnoFoam Melamine

DESCRIPTION

InnoFoam is a yellow, open-cell foam, covered with black nonwoven fabric, oil- and water-repellent. Made of melamine resin. The standard dimensions of the blocks are 2500x1250x500mm. Special lengths can be produced upon request.

In the medium and high frequency ranges, InnoFoam exhibits an outstanding sound absorption behavior. At low frequencies, technical acoustic improvements can be achieved, for example, by means of additional heavy layers or through the application of films.

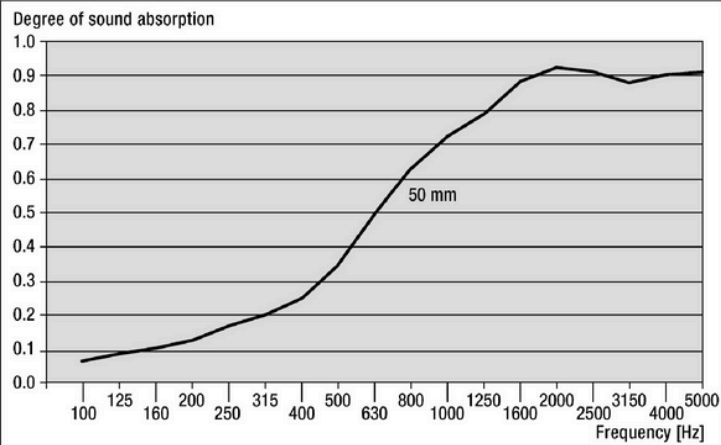
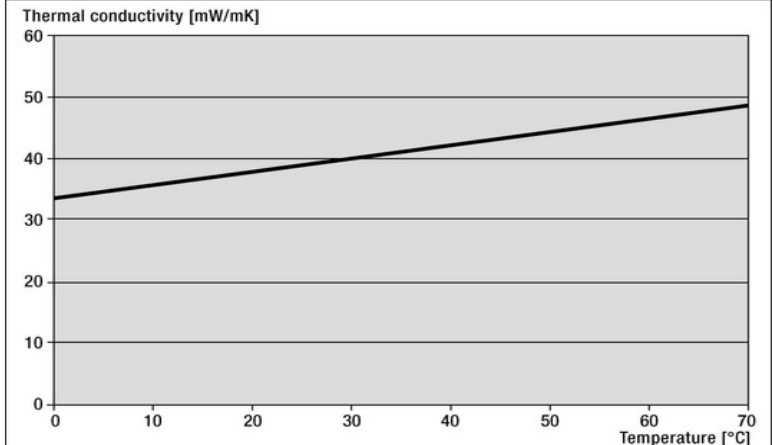


Diagram shows the thermal conductivity of InnoFoam as a function of the mean temperature. With its values of 0.032 – 0.038 W/mK at 10°C [50°F], Basotect® occupies a leading position among the commercially available insulating materials



The thermoset character and the open-cell structure of the melamine resin foam which is free of graphite translate into an attractive property profile:

- High sound absorption
- Low thermal conductivity
- High fire resistance
- Extremely low weight
- High long-term use temperatures
- No brittleness at low temperatures

PHYSICAL SPECIFICATIONS

Specification	Value
Density	6 (+ 2) kg/m ³
Thickness	From 3mm to 50mm
Tensile Strength	>65 kPa.
Compressive Strength	>3 kPa.
Thermal Conductivity	0,032 – 0,038 W/m/K.
Thermal Resistance	240°C

FIRE BEHAVIOUR

Standards	Value
DIN 4102-1	B1 (for orientation purpose)
Burning Behaviour	Self Extinguishing

PHYSICAL SPECIFICATIONS

Medium Type	Substance	Evaluation
Hydrocarbons	Gasoline	+
	Diesel	+
Alcohols	Kerosene	+
	Ethyl alcohol	+
	Isopropyl alcohol	+
	Methyl alcohol	+
Lyes (alkaline solutions)	Ammonia water 25%	+
	Sodium carbonate 25%	+
Esters	Butyl acetate	+
Ketones	Acetone	+
Other solvents	Glycol ether	+
Acids (low concentration)	Citric acid 10%	+
Aggressive gases	Chlorine (low concentration)	+
	Ozone (low concentration)	+
Other chemicals	Sodium chloride solution	+
	Water	+