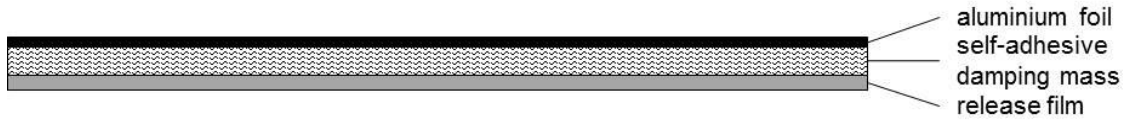


## Technical Data Sheet

## Sonit® Alu/Butyl 1.6



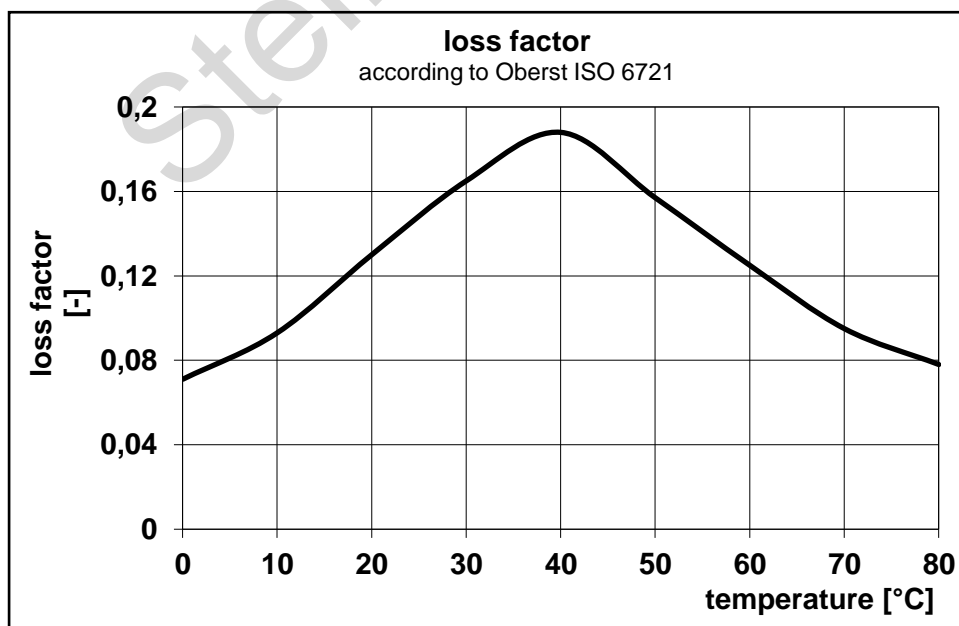
Sonit® Alu/Butyl 1.6 is a lightweight, flexible soft material from a self-adhesive damping mass based on butyl rubber without reinforcement, laminated with an aluminium foil (thickness 150 µm). The butyl mass is filled with minerals and set high thixotropic.

Technical Data		
Thickness (approximate)	[mm]	1.6 ± 0.15
Thickness of aluminium foil (approximate)	[mm]	0.15
Density of the butyl mass (approximate)	[g/cm³]	1.65
Weight (approximate)	[kg/m²]	2.80
Thermal stability	[°C]	70
Cold resilience	[°C]	- 30
Loss factor ISO 6721-3 at 30 °C		0.22
Combustibility DIN 75200 FMVSS 302	[mm/min]	burn rate = 0
Chemical resistance		butyl layer: water, alcohols, dilute acids and alkaline solutions  aluminium layer: water, alcohols, organic solvents, fuel, oils, brake fluids

## Technical Data Sheet

## Sonit<sup>®</sup> Alu/Butyl 1.6

<b>Main function:</b>	Airborne sound insulation and sound deadening sheets, especially of moulded parts
<b>Applications:</b>	Car body and vehicle construction, household equipment, ship building, mechanical engineering, partition walls, air ducts, acoustic doors, noise encapsulation etc. The material can be applied to oiled (white corrosion protection oil) surfaces without prior cleaning and withstands standard degreasing and painting processes.
<b>Processing:</b>	The surface must be carefully cleaned from dust, grease and water. Full area adhesion has to be insured. The adhesion strength is directly dependent from the processing pressure. The material has to be pressed in firmly, e.g. using a feed roll. Cold bonding should not take place under 20 °C material temperature.
<b>Storage conditions:</b>	Dry at temperatures between 18 - 35 °C and humidity max. 50% Stackability: max 100 parts
<b>Shelf life:</b>	3 months (body or paint shop application) 6 months (final assembly application) When installed, the product can withstand a humidity of max. 95%.
<b>Delivery forms:</b>	Standard boards approx. 1,000 x 1,030 mm, tolerance ± 1% conditionally. Other sizes and cut-to-size pieces upon request.
<b>Reliability:</b>	The product is not subject to labelling by EC directives / Ordinance on Hazardous Substances



The technical data (average values) as well as material information are based on our present knowledge and experiences. They free the user because of the fullness of possible influences by the application of our products, however, not from own tests and attempts in the approach of the real application. Because of the peculiarities of every individual case we can take over no liability for our indications. On request we are available gladly with information.