



ENGLISH

# Datasheet

## Black Polyether Sound Absorption Sheet

### RS Stock No: 293063

Flame retardant Polyether acoustic foam, with a food safe polyurethane facing one side and a self adhesive backing on the other side

### Applications

An effective sound absorber used in a wide variety of applications and industries such as automotive, marine, aerospace, HVAC, air conditioning and OEM.

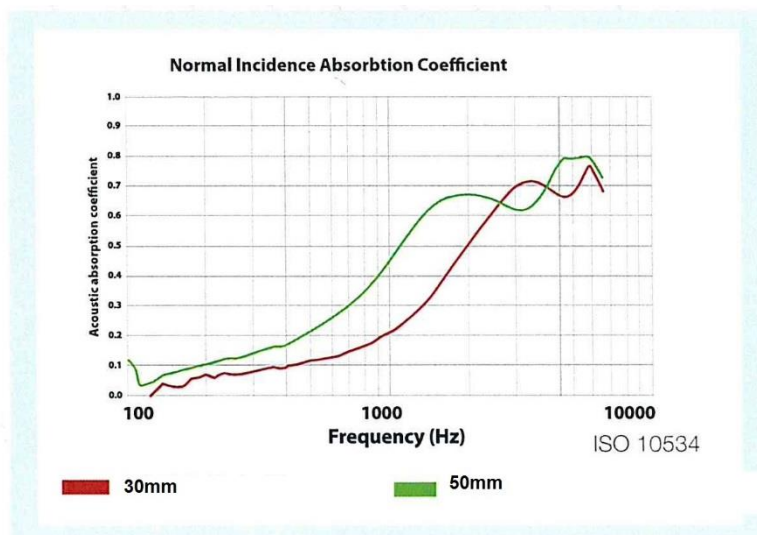
Used effectively as ductwork lining, absorber panel infills, absorption linings and sound reduction panels in generators, boats, cars, off road vehicles, process plant and electrical equipment.

### Acoustic Foam

A flexible flame retardant open cell acoustic foam, with a controlled cell structure, offering excellent sound absorption properties. Impregnated Polyether foam, the material is very robust with good mechanical strength and maybe applied to curved surfaces or compressed to fit complex and awkward shapes.

This impregnated acoustic foam is compliant to building regulation standard BS476 Pts 6&7 with Class O and Class 1 ratings.

Polymer Type:	Open cell impregnated polyether
Colour:	Black
Density:	75 – 95 kg/m <sup>3</sup>
Temperature resistance:	-30 to +110 degrees Celsius
Fire resistance:	BS4735 self extinguishing FMVSS 302 self extinguishing ASTM D1692 max extent burnt 60mm UL94-HF1 & V0 BS476 Part 7 Class 1 & Part 6 Class O
Thermal conductivity:	0.036 W/m.k



### **Polyurethane Film**

PU Film is a black PU Film facing used to provide surface protection to a variety of foam products, supplied with a protective removable polyethylene it has the added benefit of being FDA approved.

Characteristics	Test Method	Result
Density	DIN 53479	1.19 g/cm <sup>3</sup>
Melting Point	Kofler	150 - 155°C
Tensile Strength	ASTM D882	60 N/mm <sup>2</sup>
Elongation	ASTM D882	500%
Tear Strength	DIN 53515	110 N/mm
Food Contact Approval	FDA	Yes

### **Adhesive Backing**

A solvent free modified acrylic, based on aqueous dispersion. It has an excellent tack combined with a high adhesive strength making it ideal for bonding to difficult surfaces. It is also APEO free.

Characteristics	Test Method	Result
Support		PES/PVA Scrim
Interliner		Release paper, yellow, 90 g/m <sup>2</sup>
Adhesive Weight		90 g/m <sup>2</sup>
Total Thickness		0.10 mm
Temperature Resistance		-40°C to +90°C
Adhesive Strength	AFERA 5001	Min 18N/25mm – Contact time 1 Hour

While our range of tapes are technically very good they will be effected by the quality of the surface to which they are being bonded. A contaminated surface will prevent the adhesive bonding to the required surface, the surface should be clean, dust and grease free. Pressure is required to ensure a good bond is formed.