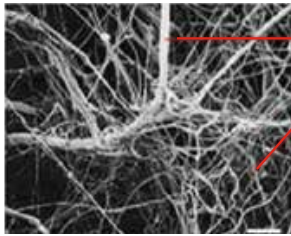


双组份吸音棉

Bico Acoustic Insulation

双组份吸音棉工作原理

双组份吸音棉，是通过特殊设计的工艺流程制得的质轻、蓬松的复合材料。该材料内部形成三维网状结构，且交织的纤维纤度范围极广，从直径为 1-4um 的微纤到直径为 20-40 um 的较粗纤维。当声波振动通过纤维间的孔隙时，在摩擦损耗等作用下导致声波的能量转化成热能，从而起到不同频率声波的有效屏蔽与隔离效果。



PET纤维

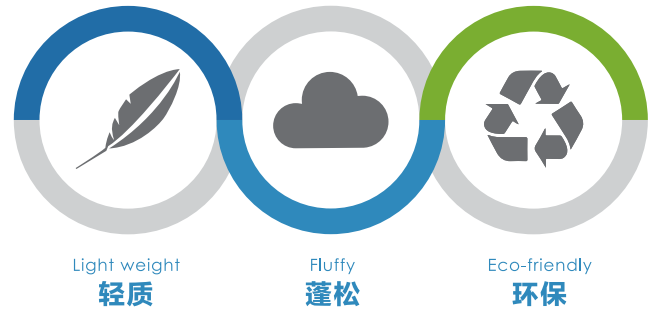
PP纤维

新型双组份吸音棉内部纤维结构电镜照片

Magnified image of Bico acoustic insulation

How Come Bico Acoustic Insulation Performs Better

Bico acoustic insulation material, is very light (weight) and fluffy which is made with specially-designed process flow technology. It also gives the material a three-dimensional network structure. The material consists of a wide range of microfibers with \varnothing 1-4 μ m diameter and coarser titer staple fibers with \varnothing 20-40 μ m diameter. In effect of friction and dissipation, the sound energy is converted into heat energy when acoustic waves pass the porosities between the fibers, thus to sufficiently absorb the sounds for a very wide range of frequencies.



双组份吸音棉的特点

How Good Bico Acoustic Insulation Is

01

卓越的吸音、隔热性能

Excellent Sound absorption and thermal insulation properties

02

质轻、结构疏松、填充密实，满足轻量化、节能环保要求
Light weight and lofty structure satisfy the requirement of Eco-friendly vehicles

03

疏水不霉变（含湿率不到1%）

Hydrophobic nature (moisture content: <1%) to reduce the possibility of mildew

04

无游离化学物质挥发，绿色环保

Little or zero VOC emission, environmental protection

05

阻燃性好，满足标准：GB-8410：2006 A-0 mm/min
Flame-retardant, in line with GB8410:2006

06

有弹性易压缩易成型

Easily process-able to various shapes

07

技术上可实现100%回收再利用

Can be 100% recyclable