



MARINE SILENT

- Art 1034785 MarineSilent plate m/kleb+alu, 1,2 x 0,8 m, 10 mm
- Art 1034786 MarineSilent plate m/kleb+alu, 1,2 x 0,8 m, 20 mm
- Art 1034787 MarineSilent plate m/kleb+alu, 1,2 x 0,8 m, 30 mm

FLAK AS. Kristiansand Norway

■ INTRODUCTION TO POLYETHYLENE FOAM (PEF) SHEET

C&F PEF Foam is 100% independent closed cell structure. The thermal conductivity is 0.038W/m.k, which provides a very good performance in thermal insulation property. The foam has soft smooth texture, beautiful appearance by knurling compound, environment-friendly and energy saving characters. C&F PEF Sheet is usually laminated with aluminum foil and self-adhesive, which is more popular in duct insulation application.

◇ Heat Insulation

C&F foam has the lowest heat conduction (0.032-0.038W/m.k), which reduces the lost of calorific capacity, long time usage can lower the energy expenditure and the cost. Single-foaming structure can reduce the loss of heat between air convections, suitable for making heat preservation pipes and boards. Good anti-dew capability, suitable for humid environments like refrigerators, air-conditioners and ice houses, etc.

◇ Fireproof and smoke-resistant

C&F foam has perfect flameproof function which cannot result the flame spread. The smoke density is very low. So it cannot result the hazardous material and accord with the standard of national GB/T8624. Applying permanence aluminum foil compound technology, not only make the aluminum foil compound material incombustible and beautify, but also achieve the enduring character.

◇ Cushion Capability

C&F foam has the excellent softness elasticity and buffer function.

Semi-hard quality foams have good rebound capabilities after strong impact, suitable for the pacing of instruments, semi-conductors and electronics, etc.

◇ **Sound Absorption**

Good sound and noise absorption capability, suitable for sound absorption and insulation parts of automobiles, electro-motors and other equipment and environments with load noises.

◇ **Shaping Capability**

Good great endurance and ductility capability with even density, suitable for making deep interior parts like shipping in vacuum and hot environments, like the air conditioning vaporizing tank of automobiles, hot-shaped peak canopy of vehicles and shoes, etc.

◇ **Good chemical, oil, acid and alkali durability capabilities**

It is safe and odorless, easy for machining and casting, and can be mixed with many other materials. It has a wide developing area as a new environmentally-safe material.

■ **PERFORMANCE PROPERTY**

ITEM	PROPERTY
Apparent Density (kg/m ³)	25-35
Specification (mm)	TK: 3-32; W:1000-1500; L: as per request
Structure	100% independent closed cell
Facing	Aluminum Foil + Self Adhesive
Thermal Conductivity (W/m.k)	0.032-0.038
Water Absorption (4 weeks)	≤2%
Moisture Resistant	≥4500
Oxygen Index	≥26
Smoke Rating Density	Good
Color Available	Dark, Grey, White, Red, etc.
Working Temperature	-40 • 80 •

■ **CHARACTERISTICS**

- ◇ **Excellent Insulation Materials (Cold-Warm)**
- ◇ **Excellent Ventilation and Stepping and Knocking Sound Insulations**
- ◇ **Great Lightness**
- ◇ **Not Sensitive to Vapor**
- ◇ **Excellent Chemical Resistance**
- ◇ **Insects and Rodents Protection**
- ◇ **Thin, Flexible Material**
- ◇ **Tailor-made Solution**
- ◇ **Dyes are applicable**
- ◇ **Easy to Laminate**
- ◇ **No Hazard to Health**

■ **APPLICATIONS**

- ◇ **Construction and HVAC**
- ◇ **Protection and Packaging**
- ◇ **Sports and Leisure**
- ◇ **Automotive and Insulation**