

SILENT Polyester polyurethane



Description

Polyurethane foam based on polyester, flexible, with open cells, used for sound absorption.

Kp finish with embossed black polyethene film.

Characteristics

- Color: anthracite gray;
- Operating temperature: -5°C to +65°C;
- Density: 25 kg/m³;
- Regular cell structure;
- Good resistance to air flow, resulting in improved sound absorption;
- Resistance to organic solvents;
- Good tensile and tear strength.

Use

On air ducts, walls, equipments and wherever needs to reduce the noise.

Declaration

The special polyester-based foam formulation allows compliance with the FMVSS Motor Vehicle Safety Standard 302 fire performance test at all proposed thicknesses.

Technical Data

Density (kg/m ³).	Tensile Strength (MPa)		Elongation at Break (MPa)		Compression Strength (KPa).	Dimensional Stability (°C)	Water Vapour Diffusion Resistance Factor (μ)	Thermal Conductivity	Compression Set (%)	Water Absorption (%)	Fire Performan
	Longitudinal	Transverse	Longitudinal	Transverse							
30 ± 10%	0,30	0,25	140%	145%	10% → 16,6 25% → 35,7 50% → 94 (ISO 3386-1)	95° (ISO 2796)	23° C, ΔUR 50% > 3000 (DIN 52615)	10°C=0,0344 W/mk (DIN 52613)	24h, 25%, 23° C → % 8,1 (ISO 1856)	< 3 (ISO 29767)	velocità di combustio < 100 mm/min. per spessore > 7 mm (ISO 3795)

Dimensions and Price List

Thickness (mm)	Height (mm)	Roll Length (m)	Roll Size (m ²)	SILENT
				Eur/m ²
10	1500	40	60	-
20	1500	20	30	-