

Zouch eFoam

Zouch Converters eFoam products have obtained Eco Label (the certificate of environmentally friendly product) of categories 1 and 2, and meet the European Common Market RoHS requirements. It is produced with clean production processes that emphasizing on the restraints of air, water, waste, toxicant, odour, noise and radiation, eFoam's high weather-resistance and easy workability provides the customers with the best quality and performance that effectively reduces the material and production costs.

Foam Expansion Ratio: 3 - 40 times

Thickness: 0.5 - 12mm, may be laminated to 50mm

Width: 1 - 2 meters (M)

Product Form: Roll supply. Length of each roll can be customized to meet customer's requirement. The product can also be provided in sheet form when requested.

Applications

- Standard Applications: waterproof, heat shielding, thermal insulation, cushioning, shock absorption, sound-proof, damp-proof, light weight, dew resistant.
- Specific Applications: odour-free, EM-resistant, hygienic, high temperature stability, fire-proof, electrical insulation, electrical conductive, antistatic.

Advantages of Performance Properties

- Even distribution of foams: with closed cell, foams are evenly distributed with approximately the same shape and size.
- High stability: weather-resistant, low temperature-resistant, and solvent-resistant
- Smooth and good appearance: The surface of eFoam is smooth and appearance that can be applied in various colours; it can be used for exterior surfaces.
- Roll supply: The continuous production technique allows for consistent quality. It comes in the roll form such that it is easy for shipment as well as for processing.
- Excellent processability: eFoam is light weight. Its high elasticity allows multiple types of processing.

Multiple applications: eFoam's integrated and complementary applicability enables the customers to extend their product's to meet new challenges.



Innovators in Foam, Tapes & Sealing Solutions

Zouch eFoam - Key To Colours

REF		REF	
SW1	Snow White 1	DD1	Dark Dark 1
SB1	Sky Blue 1	GN1	Green 1
NA2	Natural Colour 2	PU1	Purple 1
DB1	Dark Black 1	PK1	Pink 1
DB2	Dark Black 2	LG1	Light Green 1
NA1	Natural Colour 1	PE1	Peach 1
DG2	Dark Grey 2	SG1	Silver Grey 1
BL1	Blue 1		
SW2	Snow White 2		
DG1	Dark Grey 1		

Grades of Foam Available

W	=	Vertical Foam Standard (Identical to Sekisui TA Series)
WE	=	Vertical Foam with E.V.A. Co-Polymer (Identical to Sekisui TE Series)
V	=	Vertical Foam with E.V.A. Co-Polymer Super Soft Quality (Identical to Sekisui TE Series)
I	=	Horizontal Foam Standard (Identical to Sekisui Alveolen NA Series)
WT	=	Vertical Foam with High Tensile Strength, High Performance & High Elongation
WTS	=	Vertical Foam - Same as WT but Stronger Still
D	=	Anti - Slip Foam
PP	=	Polypropylene Foam

All of the above grades can be supplied with flame retardant properties, Anti-Static properties and conductive properties.

**Comparison between eFoam
& the other foam materials**

	Unit	eFoam (PE Foam material)	PU Foam (Material)	PVC Foam (Material)	PS Foam (Material)
Foam Structure		Closed	Open	Closed	Closed
Crosslink Reaction		Closed	Open	none	none
Density	g/cm ³	0.03~0.034	0.017	0.14	0.032
(Vertical) Tensile strength (Horizontal)	kg/cm ²	2.2 1.3	0.94 1.04	10.0 -	none -
Compression Strength	%	150 130	179 212	111.5 -	none -
(25%) Compression Strength (50%) (75%)	kg/cm ²	0.35 - -	0.026 0.033 0.058	0.65 1.48 -	2.46 3.13 5.53
Compression Set	%	6.5	1.5	3.0	21.5
Aging Resistance		A	D	B	C
Chemical Resistance		A	C	B	D
Water Resistance		A	D	B	B
Sound Absorption		C	A	C	D
Heat Resistance (°C)		80	100	60	70
High-frequency Processing		D	B	A	D
Heat Processing		A	D	B	B
Mold releasing agent		NO	NO	NO	NO
Floatability		A	D	B	A

A : Excellent B : Good C : General D : Poor