

**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