

AT-N100

Classification : EPS 100

Technical specifications

		Unit of measurement		Performance
Compressive strength (for 10 % compression)		kPa	≥ 100	CS(10)100
Bending strength (flexural strength)		kPa	≥ 150	BS150
Thermal conductivity		W/(m·K)	0,037	
Thermal conductivity (design value)		W/(m·K)	0,038	
Diffusion of water vapor resistance		-	30 - 70	-
Diffusion of water vapor factor		mg/(Pa·h·m)	0,024 – 0,010	-
Dimensional stability at normal climate		%	± 0,5	DS(N)5
Deformation under specified compressive load and temperature conditions		%	≤ 5	DLT(1)5
Fire resistance		-		E
Dimensional tolerance	Thickness	mm	± 2	T(2)
	Length	% or mm	±0,6 % or ± 3 mm	L(3)
	Width	% or mm	±0,6 % or ± 3 mm	W(3)
	Squareness	mm/1000 mm	± 5	S(5)
	Planar	mm	± 5	P(5)

Standard:

EPS – EN 13163 – T(2) – L(3) – W(3) – S(5) – P(5) – BS150 – CS(10)100 – DS(N)5 – DLT(1)5**Sheet size:** 1000 x 500 mm, 1000 x 1000 mm, 1000 x 2000 mm**Thickness:** with 10 mm**Edge detail:** *straight, if required staired edge***Color coding:** 1 yellow lane**Regularization:****MSZ EN 13163** Thermal insulation products for buildings – Factory made expanded polystyrene (EPS) products – Specification**MSZ 7573** Thermal insulation products for buildings – Factory made expanded polystyrene (EPS) products – Specification for use**MSZ EN 13172** Thermal insulation products – Evaluation of conformity**AUSTROTHERM Kft.**