

GRAFIT[®] 80

Classification : EPS 80

Technical specification

		Unit of measurement		Performance
Compressive strength (for 10 % compression)		kPa	≥ 80	CS(10)80
Bending strength (flexural strength)		kPa	≥ 125	BS125
Tensile strength perpendicular to plane		kPa	≥ 150	TR150
Thermal conductivity		W/(m·K)	0,031	
Thermal conductivity (design value)		W/(m·K)	0,031	
Diffusion of water vapor resistance		-	20 - 40	-
Diffusion of water vapor factor		mg/(Pa·h·m)	0,036 – 0,018	-
Dimensional stability at normal climate		%	± 0,2	DS(N)2
Deformation under specified compressive load and temperature conditions		%	1	DS(70,-)1
Fire resistance		-		E
Dimensional tolerance	Thickness	mm	± 1	T(1)
	Length	mm	± 2	L(2)
	Width	mm	± 2	W(2)
	Squareness	mm/1000 mm	± 2	S(2)
	Planar	mm	± 5	P(5)

Standard:

EPS – EN 13163 – T(1) – L(2) – W(2) – S(2) – P(5) – DS(70,-)1 – BS125 – CS(10)80 – DS(N)2 – TR150

Sheet size: 1000 x 500 mm**Thickness:** with 20 mm**Edge detail:** straight, if required staired edge**Color coding:** 1 red 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.