

STYROFOAM™ LBH-X



Designation Code		XPS - EN 13164 - T3 - CS(10\Y)300 - DS(TH) - TR400			
Properties ¹⁾	Standard	STYROFOAM LBH-X	Unit	CE-Code	
Cell content		HFC			
Density	BS BS EN 1602	33	kg/m ³	-	
Thermal conductivity declared (λ_p)	BS EN 13164	0,033	W/m-K	-	
Compressive stress or compressive strength @ 10% deformation ²⁾	BS EN 826	0,3	N/mm ² ³⁾	CS(10\Y) σ_m	
E-Modulus (typical) ²⁾	BS EN 826	12	N/mm ²	-	
Tensile strength ²⁾	BS EN 1607	0,5	N/mm ²	TR400	
Tensile Modulus (typical) ²⁾	BS EN 1607	24 (≥ 50 mm)	N/mm ²	-	
Shear strength	BS EN 12090	0,25	N/mm ²	-	
Shear Modulus (typical)	BS EN 12090	10	N/mm ²	-	
Water vapour diffusion resistance factor μ	BS EN 12086	100	-	-	
Long term water absorption by total immersion	BS EN 12087	$\leq 1,5$	Vol-%	WL(T)1,5	
Dimensional stability under specified temperature and humidity	BS EN 1604	≤ 2	%	DS(TH)	
Capillarity	-	0	-	-	
Coefficient of linear thermal expansion	-	0,07	mm/m-K	-	
Reaction to fire Euroclass	BS EN 13501-1	E	-	-	
Temperature limits	-	-50/+75	°C	-	
Dimensions	BS EN 823 BS EN 822	upon request	-	-	
Tolerances	Thickness	BS EN 823	$\pm 0,5$	mm	T3
	Width < 700 mm	BS EN 822	-0/+3	mm	-
	Width \geq 700 mm	BS EN 822	-0/+5	mm	-
	Length	BS EN 822	-0/+10	mm	-
Edge Profile	-	butt edge	-	-	
Surface Finish	-	planed	-	-	

¹⁾ The properties refer to thickness ranges mentioned in the table.

²⁾ measured in thickness direction

³⁾ 1 N/mm² = 10³ kPa; 1 kPa = 10⁻³ Mpa

Note:

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