RAVATHERM™ XPS X PLUS LB (GV)

Technical Datasheet

XENERGY™ LB-Plus (GV)

Properties		Value		Unit	Standard	CE Code
Density (typical value)		35		kg/m^3	EN 1602	
Thermal Conductivity Declared		0.029	≤ 100 mm	W/m.K	EN 13164	λ_D
		0.030	> 100 mm	W/m.K		λ_D
Thermal Conductivity for 60 days old foam - mean value at 10°C		0.027		W/m.K	EN 12667 EN 12939	λ-mean, 60d
Compressive stress or compressive strength @ 10% deformation[1]		300		kPa	EN 826	CS(10\Y)
Tensile Strength[1]		600		kPa	EN 1607	TR
Shear Strength		250		kPa	EN12090	SS
Moduli (typical)	E-Modulus[1]	12	< 30 mm	MPa	EN 826	
		15	30 - 79 mm	MPa	EN 826	
		20	≥ 80 mm	MPa	EN 826	
	Tensile Modulus[1]	24		MPa	EN 1607	
	Shear Modulus[2]	8		MPa	EN 12090	
Compressive Creep max after 50 years < 2% deformation under stress σC		-		kPa	EN 1606	CC(2/1.5/50)σ
Water vapour diffusion resistance factor μ (tabulated value)		150		-	EN 12086	MU
Long term water absorption by total immersion		1.5		%	EN 12087	WL(T)
Dimensional stability under specified temperature (70°C) and humidity conditions (90%rh)		< 5		%	EN 1604	DS(70,90)
Deformation under specified compressive load (40kPa) and temperature (70°C) conditions		-			EN 1605	DLT(2)5
Coefficient of linear thermal expansion (typical value)		0.07		mm/(m.K)	-	-
Fire Performance		E		Euroclass	EN 13501-1	
Temperature limits		-50/+75		°C	-	
Tolerances	Thickness	-0.5/+0.5		mm	EN 823	T3
	Width	0.0/+3	< 700 mm	mm	EN 822	
	Width	0.0/+5	≥ 700 mm	mm	EN 822	
	Length	0.0/+10		mm	EN 822	
Dimensions	Thickness	40 - 160		mm	EN 823	
	Width	500 - 1210		mm	EN 822	
	Length	1400 - 3600		mm	EN 822	
Edge Profile		Butt Edge				
Surface finish		Planed				
	GV	Planed and grooved				
DESIGNATION CODE:		**XPS - EN 13164 - T3 - CS(10\Y)300 - DS(70,90) - WL(T)1.5 - TR600 - SS250**				

[1] Measured in thickness direction

1 N/mm² = 10³ kPa = 1MPa

[2] Typical value for Shear Modulus, may vary with the inplane direction.

Material shall be stored inside in original packaging, away from direct sun light or heat sources

Note: The information and data contained in this technical data sheet do not represent exact sales specifications. The features of the products mentioned may vary. The information contained in this document has been provided in good faith, however it does not imply any liability, guarantee or assurance of product performance. It is the purchaser's responsibility to determine whether these products are suitable for the application desired and to ensure that the site of work and method of application conform with current legislation. No license is hereby granted for the use of patents or other industrial or intellectual property rights. If products are purchased, we advise following the most up-to-date suggestions and recommendations.

TM : Trademark of RAVAGO SA

™ Trademark of DDP Speciality Electronic Matrial US Inc ("DDP") or an affiliated company