Technical Data

XENERGY™ LBH

Properties	Standard	Unit	XENERGY™ LBH	CE-Code
Cell content			HFC	
Density (typical value)	EN 1602	kg/m^3	33	–
Thermal conductivity declared (λ_D)	EN 13164	W/(m.K)	0,031[1)]	λ_D
Thermal conductivity for 60 days old foam - mean value at 10°C	EN 12667 EN 12939	W/(m.K)	0,029	λ-mean, 60d
Compressive stress or compressive strength @ 10% deformation [2)]	EN 826	kPa	300	CS(10\Y)
Tensile strength [2)]	EN 1607	kPa	600	TR
Shear strength	EN 12090	kPa	250	SS
Moduli (typical values) E-Modulus [2)]	EN 826	MPa	12 (≤30mm) 15 (31-80mm) 20 (>80mm)	-
Tensile modulus [2)]	EN 1607	MPa	24 (≥50mm)	-
Shear modulus G [3)]	EN 12090	MPa	8	-
Water vapor diffusion resistance factor (tabulated value)	EN ISO 10456	-	150	-
Long term water absorption by total immersion	EN 12087	%	1,5	WL(T)
Dimensional stability under specified temperature (70°C) and humidity conditions (90%rh)	EN 1604	%	5	DS(70,90)
Deformation under specified compressive load (40kPa) and temperature (70°C) conditions	EN 1605	%	5	DLT(2)5
Capillarity	–	%	0	–
Coefficient of linear thermal expansion (typical value)	–	mm/(m.K)	0,07	–
Reaction to fire - Euroclass	EN 13501-1	–	E	–
Temperature limits	–	°C	-50/+75	–
Dimensions [4)] Thickness Width Length	 EN 823 EN 822 EN 822	 mm mm mm	 20-200 600/1200 2500/3000	 – – –
Tolerances Thickness	EN 823	mm	-/+0,5	T
Width	EN 822	mm	<700mm: -0/+3 ≥700mm: -0/+5	–
Length	EN 822	mm	-0/+10	–
Edge profile	–	–	butt edge	–
Surface Finish	–	–	planed / grooved	–
Designation Code: XPS - EN 13164 - T3 - CS(10\Y)300 - DS(70,90) - WL(T)1,5 - TR600 - SS250				

1) Pending certification
2) Measured in thickness direction.
3) It may vary with the in-plane direction.
4) Products with special dimensions or closer tolerances are available upon request.

1 N/mm² = 10³ kPa; 1 kPa = 10^{-3} MPa.

October 2017 - This document supersedes all previous versions and editions

DOW EUROPE GmbH
Dow Building Solutions
Bachtobelstrasse 3
CH-8810 Horgen, Switzerland
Tel.: +41 447 28 2820
Internet: www.dowcorecomposites.com
www.dowdop.com

291-76870-1017