



Technical Data

XENERGY™ RTM-GV-Plus

Properties	Standard	Unit	XENERGY™ RTM Plus	CE-Code
Cell content			HFO	
Density (typical value)	EN 1602	kg/m ³	40	-
Thermal conductivity declared (λ_D)	EN 13164	W/(m.K)	0,029	λ_D
Thermal conductivity for 60 days old foam - mean value at 10°C	EN 12667 EN 12939	W/(m.K)	0.025 (>50mm)	λ -mean, 60d
Compressive stress or compressive strength @ 10% deformation ¹⁾	EN 826	kPa	400	CS(10Y)
Tensile strength ¹⁾	EN 1607	kPa	900	TR
Shear strength	EN 12090	kPa	400	SS
Compressive creep after 50 years \leq 2% deformation under stress σ_C ¹⁾	EN 1606	kPa	140	CC(2/1,5/50) σ_c
Moduli (typical values) E-Modulus ¹⁾	EN 826	MPa	17 (\leq 30mm) 22 (31-80mm) 28 (>80mm)	-
Tensile modulus ¹⁾	EN 1607	MPa	28 (\geq 50mm)	-
Shear modulus G ²⁾	EN 12090	MPa	10	-
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 ³⁾				
Thickness	EN 823	mm	20-140	-
Width	EN 822	mm	600-1200	-
Length	EN 822	mm	2500/3000	-
Tolerances				
Thickness	EN 823	mm	-/+0,5	T
Width	EN 822	mm	<700mm: -0/+3 \geq 700mm: -0/+5	-
Length	EN 822	mm	-0/+10	-
Edge profile	-	-	butt edge	-
Surface Finish	-	-	planed / grooved	-

Designation Code: XPS-EN 13164-T3-CS(10Y)400-CC(1,5/2/50)140-DS(70,90)-DLT(2)5-WL(T)1,5-TR900-SS400

- 1) Measured in thickness direction.
- 2) It may vary with the in-plane direction.
- 3) Products with special dimensions or closer tolerances are available upon request.
1 N/mm² = 10³ kPa; 1 kPa = 10⁻³ MPa.

Data of the new products (XENERGY™ grades) is pending certification
All non declared properties are typical values

January 2019 - This document supersedes all previous versions and editions

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.

291-76370-01/2019