



Technical Data

STYROFOAM™ RTM-NC-X

Properties	Standard	Unit	STYROFOAM™ RTM-NC-X
Density (typical value)	EN 1602	kg/m ³	40
Thermal conductivity for 60 days old foam - mean value at 10°C	EN 12667 EN 12939	W/(m.K)	0,025
Compressive stress or compressive strength @ 10% deformation ¹⁾	EN 826	kPa	400
Tensile strength ¹⁾	EN 1607	kPa	700
Shear strength	EN 12090	kPa	400
Moduli (typical values)			
E-Modulus ¹⁾	EN 826	MPa	17 (≤30mm) 22 (31-80mm) 28 (>80mm)
Tensile modulus ¹⁾	EN 1607	MPa	28 (≥50mm)
Shear modulus G	EN 12090	MPa	13
Water vapour diffusion resistance factor μ (tabulated value)	EN 12086	-	150
Long term water absorption by total immersion	EN 12087	Class	1,5
Dimensional stability under specified temperature (70°C) and humidity conditions (90%rh)	EN 1604	%	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 ²⁾			
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
Width	EN 822	mm	<700mm: -0/+3 ≥700mm: -0/+5
Length	EN 822	mm	-0/+10
Edge Profile	-	-	butt edge
Surface Finish	-	-	planed/grooved

1) Measured in thickness direction.

2) Products with special dimensions or closer tolerances are available upon request.
1 N/mm² = 10³ kPa; 1 kPa = 10⁻³ Mpa.

February 2014 - 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 Dow 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 Dow products are purchased, we advise following the most up-to-date suggestions and recommendations.

Dow Chemical Company Limited
Dow Building Solutions
Diamond House, Lotus Park
Kingsbury Crescent, Staines, TW18 3AG
Tel: 020 3139 4000
Fax: 020 3139 401
Internet: www.dowcorecomposites.com
www.dowdop.com

291-71125-0214