



Material Description: Nabasco 8012 Fire v9_01-2025
Date : 24/02/2025

Technical Datasheet Nabasco®8012 Product – Reed Fire

The Nabasco®8012 products are made from partly biobased unsaturated polyester resin, filler reinforcements and natural fibres. The filler is a fire-retardant filler, and the natural fibre is reed.

Properties of Nabasco®8012 Products.

	Characteristic	Method	Unit	Value
1	Specific density	ISO 1183	g/cc	1,78
2	Flexural strength	ISO 14125A	MPa	32
3	Flexural modulus	ISO 14125A	GPa	7.48
4	Flexural Strain	ISO 14125A	%	0.67
5	Impact strength (Charpy)	ISO 179	KJ/m2	3.8
6	Water absorption (48hr, 23°C)	ISO 62	%	0.6
7	Linear thermal expansion(-20°C to 80°C)	ISO 11359-2	x10-6/K	40

* Values are measured at room temperature. All values are indicative.

Nabasco®8012 Fire Series

The patented material is very suitable for both indoor and outdoor applications. It is strong, retains its shape, provides long service life and is easy to maintain. In addition, it can be well processed as a sheet material using various techniques such as sawing, drilling, milling, engraving and water cutting. The panels remain technically sound for more than 30 years. Nonetheless, the appearance of the panels will slightly age at a surface level. With simple maintenance, these effects can be reversed.

General Notes: This datasheet replaces all previous versions.

The above information and our technical advice on applications provided verbally, in writing and through tests are to the best of our knowledge, however, they are only non-binding notices, also with regard to any intellectual property rights of third parties. The advice does not exempt you from your own review of our current advice, in particular from our safety data sheets and technical information and of our products with regard to their suitability for the procedures and purposes envisaged. Application, use and processing of our products and of our application-related consulting products manufactured by you are carried out outside of our control options and are therefore exclusively your area of responsibility.

Test Values

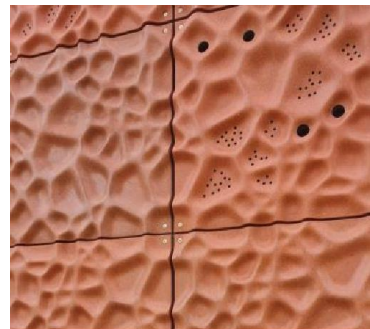
The indicated values have been tested on pressed plates, unless expressly stated otherwise, at room temperature determined. The figures are to be regarded as indicative values, but not as binding minimum values. Please note that the properties due to the tool design, the processing conditions and the coloring can be significantly influenced under certain circumstances.

NPSP MAKES SUSTAINABLE, FIBRE-REINFORCED PLASTICS FOR CONSTRUCTION, DESIGN, TRANSPORTATION AND SIGNMAKERS SECTOR. TOGETHER WITH THE CLIENTS, NPSP REALIZES AESTHETIC AND SMART SOLUTIONS FOR TECHNICAL ISSUES.



The Nabasco® label guarantees that production methods are environmentally friendly and technically and economically feasible. Depending on the compositions of the Nabasco® material, the environmental benefit can be as much as five times comparable solutions.

Amsterdam Pavilion



Van Severen chair



Velopa Bench



Signing

