≤ 0.007

≤ 0.22

≤ 0,043

≤ 0,16

passed



MATERIAL PROPERTIES DATA SHEET | THIN

FENIX NTA* is an innovative material created for interior design by Arpa Industriale. A real metal structure gives a unique aesthetic feature. It is produced by the simultaneous application of heat (approx. 150 °C) and high specific pressure (> 7 MPa).

The core structure of FENIX NTA is composed of paper impregnated with thermosetting resins. Its top surface involves the use of nanotechnology and its main performances are obtained through next generation acrylic resins cured by Electron Beam Curing process.

fenixnta.com Rev01-E-25-10-2017

1,2 mm MATCHED COLOUR 0.7 mm PROPERTIES TEST METHOD PROPERTY OR ATTRIBUTE UNIT INDICATIVE VALUES GENERAL PROPERTIES Spots, dirt and similar surface defects mm^2/m^2 < 1 Surface quality EN 438-2:2016 cl.4 Fibres, hair and scratches < 10 EN 438-2:2016 cl.5 0,7 ± 0,15 1.2 ± 0.18 Thickness tolerance mm Length and width Dimensional tolerances Straightness of edge EN 438-2:2016 cl.9 ss (measured on full-size she ≤ 100 SURFACE PROPERTIES EN 438-2:2016 cl.10 Resistance to surface wear Initial Point Revolutions Resistance to water vapour Rating FN 438-2:2016 cl.14 Appearance Resistance to dry heat (160 °C/20') EN 438-2:2016 cl.16 Appearance Rating 438<u>-2:2016</u> par.18 Resistance to wet heat (100 °C/20') Appearance Resistance to scratching EN 438-2:2016 cl.25 Appearance - Group 1 and 2 Resistance to staining FN 438-2:2016 cl.26 Appearance - Group 3 Light fastness (Xenon-arc) Brey scale ra hod A - gloss change mean valu Resistance to microscratches EN 438-2:2016 cl.30 Metodo B - surface visual assessment Class EN 438-2:2005 cl.30 Rating Resistance to cigarette burns Appearance indicative values 2 at 20°, 4 at 60°, 11 at 85° Surface specular reflectance Gloss unit Acids resistance EN ISO 1183 g/cm³ Density Density Resistance to immersion in boiling water Appearance Cumulative dimensional change 0,08 Longitudinal % FN 438-2-2016 cl 17 Dimensional stability at high temperatures Cumulative dimensional change Transversal % EN 438-2:2016 cl.20 Ν 23 Resistance to impact with small diameter ball Spring force 800 Drop height EN 438-2:2016 cl.21 Resistance to impact with large diameter ball Indentation diameter mm EN 438-2:2016 cl.23 Appearance 4 Resistance to cracking Rating ENVIRONMENTAL PROPERTIES EN ISO 12460-3 (ex EN717-2) Gas analysis $mg/(m^2 \times h)$ Formaldehyde emission ialdehyde emiss

Note to laminates with adhesive protective film

Volatile Organic Chemical Emissions

The protective films are designed for temporary surface protection against dirt, scratches and tool marks; they are not designed for protection against corrosion, humidity or chemicals

Greenguard Gold Certification

Low Chemical Emission UL 2818

NSF

FENIX NTA panels covered with the protective film shall be stored in a clean, dry place at room temperature (15-22°C), avoiding weathering and UV exposure.

The protective film must be removed from the surface of FENIX NTA after the application and before putting into use the finite element. In any case, the removal must be made within six months from the date of shipment by Arpa Industriale. Arpa Industriale cannot be responsible for the misuse of FENIX NTA covered with the protective film, nor for the consequences for non-recommended applications

Individual VOCs

Formaldehyde

Total VOCs

Total Aldehydes

1-Methyl-2-pyrrolidinir

NSF/ANSI 35

ppm

mg/m

ppm

passing/not passing

Hygiene

The Material Properties Data Sheets provide all the technical information relevant to the performance of the product as tested by Arpa Industriale or certified testing agencies.

Before using the product, customers and end-users must check www.arpaindustriale.com or www.fenixnta.com for the most updated technical information regarding the products' performance. In any case, Arpa Industriale, in every contractual relationship, will refer only to the quantitative "indicative values" stated in the Material Properties Data Sheet and to the technical information published on its websites. Arpa Industriale will not assume any liability if the end-user or customer refer to any other technical information of the products.