



To

Date, 18th November, 2009
TR n° **564^{bis}/2009**
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T E S T R E P O R T

Subject: TESTS ON VULCANIZED RUBBER SHEETS TO BE USED IN CONTACT WITH POTABLE WATER, ACCORDING TO KTW RECOMMENDATION SECTION 1.3.13

COD. ARTICOLO
600.1025.020

TESTS ON THE WATER AFTER THE CONTACT WITH VULCANIZED SHEETS (2 mm thick)

Compound
NBR 75 STD

Class D2

Ratio of sheet surface (cm²) / water volume (ml) 1/50

Contact time at 23°C

days

1-3

4-6

7-9

Requirements after the 3rd contact

Turbidity, colour, foam formation

No change No change No change

No change

Odour

GSW No change No change

No change

Chlorine absorption

mgCl₂/m²d

246,9

98,8

82,3

≤ 150

Total organic carbon (TOC)

mgC/m²d

153,0

122,0

110,0

≤ 125

Primary ary- and/or secondary N-alkyl aryl amines

mg/m²d

Not detectable

Not detectable

Not detectable

≤ 0,25

Phenolic compounds

mg/m²d

Not detectable

Not detectable

Not detectable

≤ 12,5

Formaldehyde

mg/m²d

Not detectable

Not detectable

Not detectable

≤ 50





Date, 20th October, 2009

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T E S T R E P O R T

**TESTS ON THE WATER AFTER THE CONTACT
WITH VULCANIZED SHEETS (2 mm thick)**

Compound
NBR 75 STD **Requirements**

<u>Zinc content</u>	%	0,93	≤ 3
<u>Lead content</u>	%	0,001	≤ 0,003
<u>Aliphatic and cycloaliphatic amines content</u>	%	Not detectable	Not detectable
<u>Acrylonitrile monomer</u>	ppm	Not detectable	≤ 1

Remarks: It is declared that the tested vulcanized rubber sheets of the rubber compound "**NBR 75 STD**" **meet** the requirements of the KTW Recommendation Section 1.3.13 - **Class D2** for the contact with potable water.

NOTE: Limit of detectability:

- Phenolic compounds, Formaldehyde; 0,1 mg/m²d
- Primary aryl- and/or secondary N-alkyl aryl amines; 0,01 mg/m²d
- Acrylonitrile monomer; 0,02 ppm



This sample has been certified only by the customer.
The certified results refer only to the tested sample.
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E. Badamer
E. Badamer, Operator

F. Casa
F. Casa, Director