



Industrie Plastiche Lombarde S.p.A.

Sede Sociale e Uffici

Via L. da Vinci, 13c - 21023 Besozzo (VA) - Italy
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C.C.I.A.A. di Varese n. 137571 - M. VA006166
Registro Società n 10140 Tribunale di Varese
Capitale Sociale Euro 625.000
Codice Fiscale e Partita IVA 00413650128

Date **28/04/2008**

Food Regulatory

Prot. N° 01/2008

Food Regulatory Approvals

With respect to EU

The following Regulations and Directives are applied:

European Directive 2002/72/EEC of August 06, 2002 and further amendments relating to Plastics Materials and Articles intended to come in Contact with Foodstuffs, and CE Regulation n° 1935/2004.

A. PU and thermoplastic Hoses with metallic wire

This product series includes the following hoses:

Vulcano PU H 09 ET
Vulcano PU HD 12 ET
Vulcano PU HDS 15 ET
Plutone PU PRESS



The hose wall can come in contact with the transported media according to the following:

- The above-mentioned hoses can be used with foodstuffs that belong to classes "A" (water-based foodstuffs), "B" (acidic-water-based foodstuffs) and "C" (water-based foodstuffs with a maximum ethyl alcohol content of 15%) and "D" (fatty foodstuffs)
- The above-mentioned hoses can be used in contact with the so-called *dry foodstuffs*, for which no migration tests with simulators are prescribed.
- The above-mentioned hoses cannot be used in contact with foodstuffs for which it is prescribed the use of the specific simulators for dairy-milky products.

Vulcano PU Z
Vulcano PU R

The hose wall can come in contact with the transported media according to the following:

- The above-mentioned hoses can be used in contact with the so-called *dry foodstuffs*, for which no migration tests with simulators are prescribed.

B. TPV Thermoplastic rubber hoses

This product series includes the following hose:

Plutone PF

The hose wall can come in contact with the transported media according to the following:

- The above-mentioned hose can be used with foodstuffs that belong to the classes "A" (water-based foodstuffs), "B" (acidic-water-based foodstuffs) and "C" (water-based foodstuffs with a maximum ethyl alcohol content of 50%) and when the specific stimulator for dairy-milky products is used.



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- The above-mentioned hose can be used in contact with the so-called *dry foodstuffs*, for which no migration tests with simulators are prescribed.
- The above-mentioned hose cannot be used in contact with foodstuffs for which it is prescribed the use of simulators "D" (fatty foodstuff).

Pharmapress

The hose wall can come in contact with the transported media according to the following:

- The above-mentioned hose can be used with foodstuffs that belong to the classes "A" (water-based foodstuffs), "B" (acidic-water-based foodstuffs) and "C" (water-based foodstuffs with a maximum ethyl alcohol content of 50%), "D" (fatty foodstuffs) and when the specific stimulator for dairy-milky products is used.
- The above-mentioned hose can be used in contact with the so-called *dry foodstuffs*, for which no migration tests with simulators are prescribed

C. PVC/PU hoses

This product series includes the following hoses:

Gemini 2
Nettuno PU

The hose wall can come in contact with the transported media according to the following:

- The above-mentioned hoses can be used with foodstuffs that belong to the classes "A" (water-based foodstuffs), "B" (acidic-water-based foodstuffs) and "C" (water-based foodstuffs with a maximum ethyl alcohol content of 15%) and "D" (fatty foodstuffs).
- The above-mentioned hoses can be used in contact with the so-called *dry foodstuffs*, for which no migration tests with simulators are prescribed.
- The above-mentioned hoses cannot be used in contact with foodstuffs for which it is prescribed the use of stimulant "D" (fatty foodstuff).

Eolo PU
Eolo PU-P
Zeus PU
Ulisse

The hose wall can come in contact with the transported media according to the following:

- The above-mentioned hoses can be used with foodstuffs that belong to classes "A" (water-based foodstuffs), "B" (acidic-water-based foodstuffs) and "C" (water-based foodstuffs with a maximum ethyl alcohol content of 50%) and "D" (fatty foodstuffs) and when the specific simulators for dairy-milk products is used.
- The above-mentioned hoses can be used in contact with the so-called *dry foodstuffs*, for which no migration tests with simulators are prescribed.

D. PVC Hoses



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This product series includes the following hoses:

Arianna TA
Bacco
Nettuno
Plutone
Plutone A
Plutone PC
Plutone PR

The hose wall can come in contact with the transported media according to the following:

- The above-mentioned hoses can be used with foodstuffs that belong to the classes "A" (water-based foodstuffs), "B" (acidic-water-based foodstuffs) and "C" (water-based foodstuffs with a maximum ethyl alcohol content of 15%, for Bacco the limit is 30%).
- The above-mentioned hoses can be used in contact with the so-called *dry foodstuffs*, for which no migration tests with simulators are prescribed.
- The above-mentioned hoses cannot be used with foodstuffs that belong to the class "D" (fatty foodstuffs) and cannot come in contact with foodstuffs when the specific simulators for dairy-milk products is used.

E. NOTES



We want to call your attention to the fact that, according to the law, the final user is responsible to check the technological suitability for the intended purpose. Please contact I.p.L offices and consult our catalogues to check each product working features.

The migration tests are carried out using the so-called simulators for foodstuffs and some test procedures that, according to the normative (Chapter I, Table 1 and Section 2.1, Chapter II, Table 3 and Section 1 of the enclosure in the EU Directive EEC/97/48) are referred to the expected or normal contact conditions for the hoses.

The specifications and the mentioned regulations should be consulted in order to achieve all the inherent details.

With respect to U.S.A.

The following Regulations and Directives are applied:

FDA Regulations (Food & Drug Administration), Title 21 CFR

A. PU Hoses

This product series includes the following hoses:

Vulcano PU H 09 ET
Vulcano PU HD 12 ET



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Vulcano PU HDS 15 ET

The raw material used for the production of the flexible wall of the above-mentioned hoses is conforming to the FDA Regulations (Title 21 CFR) 177.1680 and 177.2600 paragraphs.

The above-mentioned hoses can be used in contact with the so-called *dry foodstuffs*.

Plutone PU PRESS

The raw material used for the production of the flexible wall of the above-mentioned hoses is conforming to the FDA Regulations (Title 21 CFR) 177.2600 paragraph.

The above-mentioned hose can be used in contact with the so-called *dry foodstuffs*, alimentary liquids (e) and fatty foodstuffs (f)

B. TPV Thermoplastic rubber hoses

This product series includes the following hose:

Plutone PF
Pharmapress



The raw material used for the production of the flexible wall of the above-mentioned hoses is conforming to the FDA Regulations (Title 21 CFR) 177.2600 paragraph.

The above-mentioned hose can be used in contact with the so called *dry foodstuffs*, with liquid foodstuffs (par. e) but cannot be used in contact with fatty foodstuffs (par. f).

C. NOTES

We want to call your attention to the fact that, according to the law, the final user is responsible to check the technological suitability for the intended purpose. Please contact I.p.L offices and consult our catalogues to check each product working features.

The specifications and the mentioned regulations should be consulted in order to achieve all the inherent details.

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