



16th January 2012

Manufacturer's Declaration

Suitability of Palziv Materials for use in Sensitive Packaging applications

Palziv manufactures Closed Cell Chemically Cross-linked Polyethylene Foam that is foamed using a Chemical Blowing Agent.

During the course of the foaming process, the chemical blowing agent releases small quantities of Ammonia gas. Over time, this gas is replaced by air through diffusion into the foam cells.

Palziv produces two types of foam raw material:

Galfoam/Fuzion™ - Continuously foamed in roll form. The nature of the process (high temperature and atmospheric pressure) means that virtually all the Ammonia produced is released during the manufacture.

Palfoam/Vizion™ - Batch produced block foam. The raw material exits the ovens with a thick skin coating around the foam. Release of ammonia from the foam is only started after the skin has been removed. This diffusion is a relatively slow process, particularly because of the small cell size and thick cross section of the foam.

Palziv has many years of experience packaging ultra-sensitive products as well as the knowledge gained from foreign packaging manufacturers, who have been doing it for more than 30 years. Until now, no single case has been proven that corrosion of sensitive products was caused due to the use of Palziv materials. In a small number of cases, where there was suspicion that corrosion was due to the use of Palziv materials, it was found that the complete packaging system was sealed.

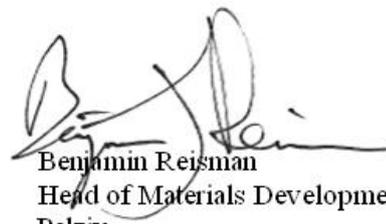


Palziv highly recommends that the following procedures are carried out:

- 1) **Ageing of the material**- A minimum amount of time is required to aerate the foam material after manufacture.
- 2) **Limiting humidity** – Customers are given instructions by Palziv's technical department as to the use of humidity absorbing materials, in the event that the packaging is sealed.
- 3) **Usage of Galfoam/Fuzion™**- For packaging products with no need to add humidity absorbing materials.
- 4) **Periodic aeration of sealed packaging**- Palziv recommends opening sealed packaging bi-annually for a short aeration period.

Palziv has experience and a reputation for using Cross linked Polyethylene foam as padding in packaging applications. All customers and users are given the above information so that there can be no possibility of damage to the packaged products.

If there is any doubt whatsoever, please contact a member of the Palziv technical department in order to receive further advise as to how to best use Palziv packaging materials.



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