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TIVAR® CleanStat UHMW-PE – Antistatic properties and EU & FDA approval

Trends
The food and pharma industries have high requirements on the materials used for conveying and power transmission components, such as sliding profiles, rolls, guidings, sliding blocks, conveyor stars and feeding screws.

Solution
Our material TIVAR® CleanStat UHMW-PE is EU and FDA compliant and offers worldwide unique solutions. Its low coefficient of friction and high wear resistance enable higher machine speeds and therefore considerable cost reduction. Furthermore, TIVAR® CleanStat UHMW-PE offers a longer wear life and reduces maintenance effort.

TIVAR® CleanStat UHMW-PE corresponds to 3A-Dairy Standard and is approved for even more challenging filling applications like aseptic milk filling. Its extraction level of volatile components through cleaning agents is extremely low and avoids contamination.

Benefits for the customer

The antistatic properties and the EU and FDA approval of TIVAR® CleanStat UHMW-PE render this material suitable for aseptic filling lines and it will help to protect production equipment from dust and dirt. These properties increase the hygiene in filling applications and the safety in food packaging lines.

Properties of TIVAR® CleanStat UHMW-PE

- Antistatic
- EU and FDA approved for food contact
- Low coefficient of friction
- High wear resistance
- Long life-time
- Good chemical resistance
- Good noise reduction
- No water absorption

Approved according to the following guidelines:

- EU Regulation 10/2011
- FDA Guideline 21CFR177.1520
- FDA Guideline 21CFR178.3297
- USDA Guidelines
- 3A-Dairy Standard

TIVAR® CleanStat UHMW-PE – application example

Challenge:
During the packaging process the packaging machine separates the carton boxes from each other and in a second step folds them. This treatment caused electrostatic dissipation of the carton boxes and attracts dust and dirt. In order to avoid this, the packaging line should be equipped with sliding and guiding elements with antistatic properties.

Solution:
TIVAR® CleanStat UHMW-PE not only protects production and packaging lines from dust and dirt. Its EU and FDA compliance allows direct contact with food. TIVAR® CleanStat UHMW-PE is working successfully even in high speed milk filling lines.

Benefits:
Safe and dust-free operation conditions and reduced maintenance time saves time and money. This pre-certified material according to European and North American requirements helps reducing time- and money-consuming admission procedures of production and packaging lines.

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