

TIVAR CleanStat – Engineering Plastic with antistatic properties and EU & FDA approval

TRENDS

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

ANSWERS

TIVAR CleanStat 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 offers a longer wear life and reduces maintenance effort.

TIVAR CleanStat 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

The antistatic properties and the EU and FDA approval of TIVAR CleanStat 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.

TIVAR CleanStat – Application Example

Challenges: During the packaging process the packaging machine separates the carton boxes from each other and in a second step folds them. This treatment caused electro-static 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 not only protects production and packaging lines from dust and dirt. Its EU and FDA compliance allows direct contact with food. TIVAR CleanStat is working successfully even in high speed milk filling stations.

Benefits: Safe and dust-free operation conditions and reduced maintenance times 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.

Properties of TIVAR CleanStat

- 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 Guidelines

- EU-Kunststoffrichtlinie 2002/72/EU
- FDA Guideline 21CFR177.1520
- FDA Guideline 21CFR178.3297
- USDA Guidelines
- 3A- Dairy Standard

All information supplied by or on behalf of Quadrant Engineering Plastic Products in relation to its products, whether in the nature of data, recommendations or otherwise, is supported by research and believed reliable, but Quadrant and Bay Plastics assumes no liability whatsoever in respect of application, processing or use made of the aforementioned information or products, or any consequence thereof. The buyer undertakes all liability in respect of the application, processing or use of the aforementioned information or product, whose quality and other properties he shall verify, or any consequence thereof. No liability whatsoever shall attach to Quadrant or Bay Plastics for any infringement of the rights owned or controlled by a third party in intellectual, industrial or other property by reason of the application, processing or use of the aforementioned information or products by the buyer.