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AIPMA's AMTEC

ARVIND MEHTA TECHNOLOGY AND ENTREPRENEURSHIP CENTRE (MUMBAI)



Newsletter Edition : 9

16th March, 2022

OUR ACCOMPLISHMENTS

10

Certificate Courses

250

Participants

135

Industries

28

Webinars

3236

Participants

1821

Industries

AIPMA's AMTEC NEWS

TPEs make the grade for safe food packaging

KRAIBURG TPE, a global TPE manufacturer of a wide range of thermoplastic elastomer products and custom-engineered TPE solutions offers the THERMOLAST® K FC/CM1 and FC/CS series that meet the safety and design criteria for food packaging and containers.

Food waste poses a global economic, social and ecological loss. The Food and Agriculture Organization (FAO) reported that the economic impact of food waste is about US\$1 trillion a year and costs the environment US\$700 billion a year. The good news is food waste can be prevented with the right packaging design. Latest packaging innovations are providing more solutions to food and material safety. Food-safe thermoplastic elastomers (TPEs) are now widely used in the food packaging industry. They protect the contents from biological and chemical contaminants, as well as prolong shelf-life of food products, and making them safe for consumption.

KRAIBURG TPE, a global TPE manufacturer offers TPE compounds with properties suited for food packaging application. The TPEs comply with international standards such as the EU Directive No. 10/2011, the Food and Drugs Administration (FDA) Code of Federal Regulations (CFR), Title 21, and the China GuoBiao (GB 4806: 2016).

TPEs up to par with packaging standards

KRAIBURG TPE's THERMOLAST® K FC/CM1 and FC/CS series offers a wide hardness range to meet varying requirements for food packaging and food container applications. The TPE series is ideal for rigid and flexible packaging to cater to the different hardness requirements of packaging. Both series are available in a translucent color with various precoloration options for manufacturers and designers to create visually appealing packaging. Most importantly, the KRAIBURG TPE compounds are halogen-free (according to the IEC 61249-2-21 standard) and adaptable for in-process recycling, enabling manufacturers to maintain a cost-effective production.

Low migration potential with FC/ CM1 series

The THERMOLAST® K FC/CM1 series, with its low migration potential, is the material of choice for fatty and oily food contact applications. This TPE compound has an excellent organoleptic property that helps in maintaining the taste of food and beverages, even when in contact with the containers. With excellent adhesion to PP and soft-touch features, the THERMOLAST® K FC/CM1 series is suitable for squeeze bottles, closures, seals, valves and other food packaging solutions.

Soft-touch with FC/CS series

The THERMOLAST® K FC/CS series' soft touch features also promote safety as well as comfort in handling in food containers. They are applicable for surfaces, closures, valves and seals for sport bottles and portable mugs. The compounds also offer an optimized compression set with excellent adhesion to PP and PE. The FC/CS series has excellent compression set at higher temperatures, which is suitable to be applied on microwavable containers and packaging as well as dishwasher-safe containers.

A complete view: Quality assurance for premium headlights

ZKW Lighting Systems develops and manufactures innovative, high-quality lighting systems for the automobile industry. But new materials, complex designs and tight tolerances push conventional metrology to its limits. Two ZEISS METROTOM computer tomographs offer completely new possibilities. In combination with the CT evaluation



software GOM Volume Inspect Pro they enable non-destructive measurement and inspection and deliver in-depth results fast. That saves time during development and creates stable processes in production.

"In 200 meters take a right turn into Calwer Street." An error of light is now projected on the street which visually underscore the directions from the navigation system. That's a welcome relief when you're driving home at night after a long day, the driver thinks. Shortly thereafter, a snowflake symbol appears on the asphalt - a frost warning. "It's a good thing I already have the winter tires on," the driver thinks. "I'm still going to drive more slowly." For good reason: amid the darkness, a pedestrian is suddenly seen walking on a side street toward the street where the driver is.

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UPCOMING PROGRAMS

24th March, 2022

International Conference on Innovations in Plastic Industry

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24th March, 2022

Launch of AIPMA's AMTEC Professional Forum

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PAST PROGRAMS

23rd Feb, 2022

Cutting Edge Technology in 3D Scanning and Software Solutions

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16th & 17th Dec, 2021

Growth & Profitability Through New Product Introduction

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23rd Dec, 2021

Precise Engineering Plastic Parts - A Case Study On Seat Belts

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