



FOR IMMEDIATE RELEASE

Contact: The Faztek Team

Phone: (260) 482-7544

Email: InsideSales@Faztek.net

New Stainless Steel-Infused Plastic Guard presented by Faztek *New Guarding Solution for Food and Medical Industries*

[FORT WAYNE, IN, OCTOBER 29, 2018—] Faztek, LLC, an industrial custom safeguarding manufacturer, in collaboration with Machine Guard & Cover Co. announced the release of its metal detectable 1/8" ABS plastic. This material is designed for guarding light duty hazard locations in the food or pharmaceutical industries where an all-metal guard would traditionally be required. The stainless-steel infused material is detectable with a magnet to avoid food contamination, and guards in this material are available in blue only to follow the current industry practice of using a highly visible material.

Previously, metal detectable plastic was exclusively available for injection molded parts, and this is the first time that a metal detectable material was able to be thermoformed. This new material has several advantages over traditional stainless steel by providing a lighter material that is easier to remove for maintenance, can deaden sound, and will never rust. In collaboration with Machine Guard & Cover Co., Faztek is able to provide unique guard solutions with this material as well as standard covers for 2-Bolt, 3-Bolt, 4-Bolt, Pillow Block, Round Flanged Cover and Conveyor Roof guards.

IZOD Impact Resistance ASTM D256 testing has been performed on the material with an average strength of 2.5 foot pounds per inch. Metal detectability testing has resulted in a sample of 3mm x 3mm x 2mm returning positive results comparable to a 1mm mild steel sphere. The Food and Drug Administration (FDA) considers a physical contaminate with a dimension of 7mm or larger to be a potential choking hazard, significantly larger than the detectability rate of this material.

Faztek, LLC

6935 Lincoln Parkway, Fort Wayne, IN 46804

P: 260.482.7544 **F:** 260.482.7354 **E:** InsideSales@Faztek.net

www.Faztek.net



Liquid line systems typically are setup to detect between 0.5mm and 2.5mm mild steel test spheres depending on the pipe size and product signal and packaged products typically are setup to detect between 1.5mm and 4.0mm mild steel test spheres depending on the aperture size and the product signal.

The materials in these guards meet the following Food and Drug Administration criteria for the following standards:

- 21 CFR 176.170(c)
- 21 CFR 177.1340
- 21 CFR 177.1520
- 21 CFR 178.3620
- 21 CFR 178.2010
- 21 CFR 178.3860
- 21 CFR 181.24
- 21 CFR 181.32

Faztek, LLC is an industrial safeguarding provider that works directly with customers to create custom safety solutions to protect employees, machines and companies as a whole. Our team has the unique ability to create hybrid guarding systems using aluminum extrusion, steel, thermoformed plastic, and electronic safety equipment. We help manufacturers operate in accordance with federal regulations while providing quality guarding solutions for machines, perimeters, and other hazardous areas through innovative designs, dependable service, efficient turnarounds and appropriate prices.

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If you would like more information about this topic, please call Faztek at (260) 482-7544, or email InsideSales@Faztek.net.

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POLYCASA PETG – FOOD CONTACT

POLYCASA PETG non UV and UV protected, CLEAR and COLOURED sheets can be used for food contact applications.

Applicable on colour references: OPAL J705 - OPAL J704 - OPAQUE J701 - BLUE L710 - BLUE A709

Europe:

POLYCASA PETG non UV sheets are in conformity with the regulation 1935/2004/EC (inclusive Article 3, good manufacturing practice), on materials and articles intended to come into contact with food, repealing Directives 80/590/EEC and 89/109/EEC.

The used monomers and other raw materials meet the requirements of regulation No 10/2011 (This Regulation is a specific measure within the meaning of Article 5(1) of Regulation (EC) No 1935/2004 and establish the specific rules for plastic materials and articles. It repeals 2002/ 72/EC and amendments.)

POLYCASA PETG clear non UV sheets conform to the 3rd amendment of 2002/72/EC, the directive 2005/79/EC in the requirements of the specific migration limits of the used monomers and additives. The sheets are in conformity with required migration limits of terephthalic acid (7.5mg/Kg of the food), ethylene glycol und diethylene glycol (30 mg/Kg). The used colour agents are meeting the purity demands of the European Resolution AP (89).

Germany:

The sheets also meet the compositional requirements and regulations of the BfR (Bundesinstitut für Risikobewertung – Institute of risk assessment), recommendation n° XVII. The used colour agents comply to recommendation IX of BfR.

USA

POLYCASA PETG sheets conform to FDA –requirements. They comply with US Food and Drug Administration (FDA) regulation 21.CFR 177.1215. The used colour agents are listed in FDA regulation 21 CFR & 178.3297.

Remark regarding the requirements of GMP:

The standard – protection foil (white / blue printed) is not proved for food contact.

In case of food contact application of PETG sheets a food approved, blank foil could be ordered.

Please consider this when ordering sheets.

FOR NOTICE:

The above-mentioned declaration does not relate to finished articles.

A suitable processing of the product is mandatory. The manufacturer or user has to verify whether the product is suitable for its final application, e.g. whether the final product might affect the taste or smell of food or whether the limitations (e.g. global migration, specific limits and other analytic requirements) are observed.

The information in this certificate is based on our knowledge and experience to date. It does not release the user from the obligation of carrying out his tests and trials, in view of the many factors that may affect processing and application; neither do they imply any legally binding assurance of certain properties or of suitability for a specific purpose. It is the responsibility of those to whom we supply our products to ensure that any proprietary rights and existing laws and legislation are observed.