

SustaPEEK XDT - X-ray detectable PEEK for Food Processing Equipment!

NEW

SustaPEEK XDT

Röchling Engineering Plastics is the first manufacturer to offer extruded X-ray detectable PEEK sheets and rods for machined parts and components - specifically designed for high temperature applications in the food processing industry.

With new regulations in place, the FDA now mandates that all food processors have comprehensive preventive controls and safety programs in place. They have the complete authority to recall food due to contamination, and it is well known to food processors that a recall can kill a brand.

SustaPEEK XDT offers the best balance of properties of all thermoplastic materials. In addition to outstanding mechanical properties, chemical resistance and thermal performance, SustaPEEK XDT can withstand long term continuous temperatures of 480° F as well as exposure to hot water or steam with low moisture absorption - which makes it the material of choice for high-temperature applications in the food processing industry.

Repeated handling, cleaning and normal wear and tear of plastic component parts on processing machinery increases the risk of a fragment breaking off and contaminating the product, especially with the ongoing pressure to increase production line speeds. Quality checks are performed at process control points typically with either metal or x-ray detection systems. In many cases, X-ray systems are required or preferred due to the food (such as meat products) and the fact that the system can effectively detect contamination post-packaging.

SustaPEEK XDT has been proven to be detected in a particle as small as a 3mm cube on production lines running as fast as 250 feet-per-minute. Together with our recently developed Polystone® M XDT (UHMW-PE) and Sustarin® C XDT (Acetal), Röchling now provides three of the most commonly used engineering plastics in the food processing industry in these special x-ray detectable grades.

- ⇒ Continuous use temperature of 480° F
- ⇒ Good dimensional stability
- ⇒ Intrinsic flame retardancy
- ⇒ FDA compliant
- ⇒ Outstanding rigidity at high temperatures



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It is the responsibility of the user to test and approve the detection of this product due to variations in x-ray detection systems and required sensitivity settings.

Available as:

Rods: 1/2" to 6" dia.

Sheets: 3/8" to 4" thick

Applications

- | | |
|--------------------|----------------------|
| ⇒ Scraper blades | ⇒ Volumetric fillers |
| ⇒ Filler plates | ⇒ Hopper guides |
| ⇒ Pocket fillers | ⇒ Baffles |
| ⇒ Piston fillers | ⇒ Pillow blocks |
| ⇒ Mixer Components | ⇒ Cups & Sleeves |
| ⇒ Wear plate | ⇒ Dividers |

Röchling Engineering Plastics offers the most comprehensive product line in the USA & Canada including:

Polystone® M (UHMW-PE)
 Polystone® P (Polypropylene)
 Polystone® G (HDPE)

Sustamid® Nylon
 Sustarin® Acetal
 Susta HPMS



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