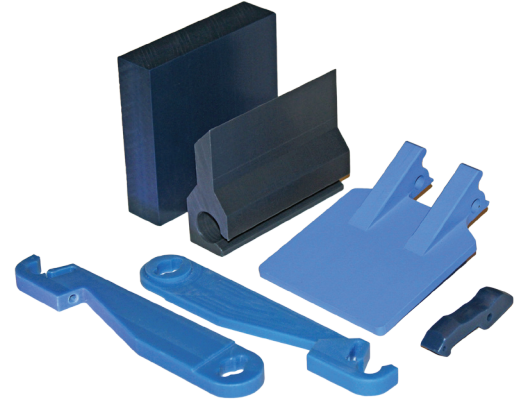




# BOEDEKER PLASTICS, INC.



## Enhance Food Safety

With Metal & X-Ray Detectable Plastics & Parts

Food & Beverage Industry | Pharmaceutical Industry



### Maximize food safety with your existing detection equipment with Metal & X-Ray detectable plastics!

Many processes in the Food and Beverage Processing and Pharmaceutical Processing Industry utilize Metal & X-Ray detection equipment for enhanced safety. However, many of the plastic materials and parts are not metal and x-ray detectable in these processes, leaving the process vulnerable to contamination issues.

#### Applications

- |                  |                |                     |
|------------------|----------------|---------------------|
| scraper blades   | bushings       | guides              |
| mixer components | wear strips    | sprockets           |
| baffles          | wear plates    | gears               |
| forming plates   | pillow blocks  | cups & sleeves      |
| rollers          | piston fillers | conveyor components |

#### Available Grades & Sizes

- FDA Compliant

#### Metal Detectable Grades (Dark Blue)

- Polystone® M MDT (UHMW-PE)
- Sustarin® C MDT (Acetal)

#### X-Ray Detectable Grades (Medium Blue)

- Polystone® M XDT (UHMW-PE)
- Sustarin® C XDT (Acetal)
- SustaPEEK® XDT (PEEK)

#### Sizes

- Machined Parts
- Rod: 1/2" to 6" Diameter\*
- Sheet: 3/8" to 4" Thick\*

\*Size availability may vary by material type.

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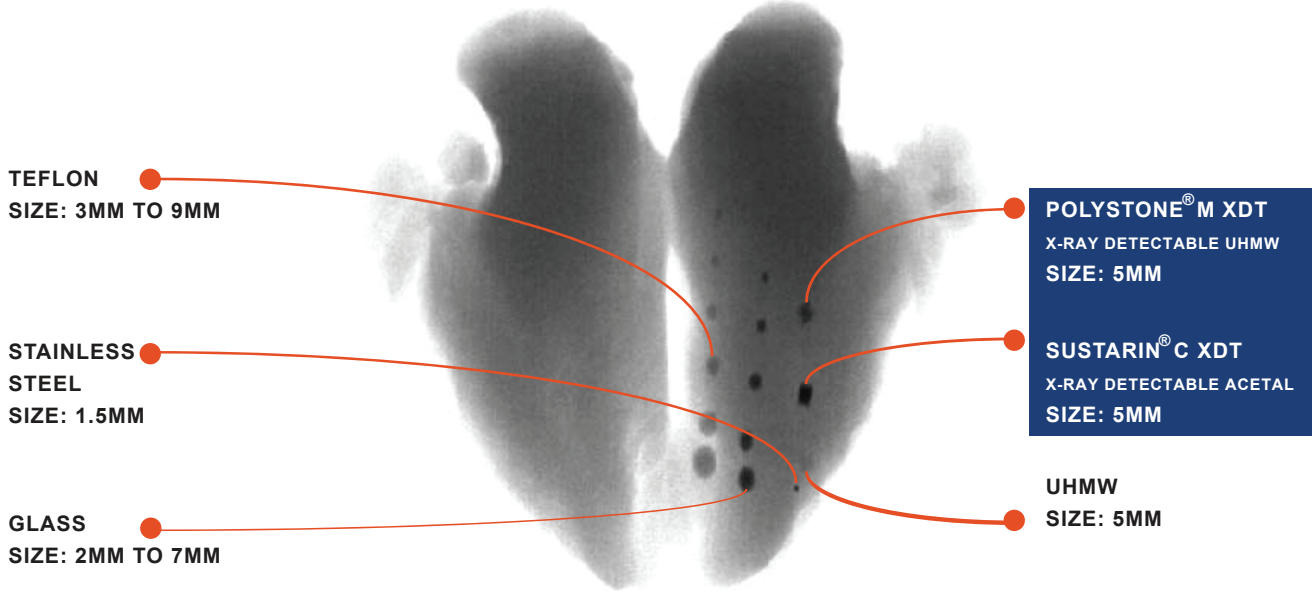
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# DETECTION SIZE REFERENCE

## X-RAY DETECTION MATERIALS COMPARISON

### CHICKEN BREAST X-RAY SCAN

\*XDT MATERIAL VISIBLE AS SMALL AS A 3MM CUBE



X-Ray Scan provided by Röchling Engineering Plastics from INSPX X-Ray Machine.

*\*Note: It is the responsibility of the user to test and approve the detection of this product due to variations in metal detection & x-ray detection systems and required sensitivity settings. Röchling's XDT product line has proven to be detected with a particle size as small as a 3mm cube at speeds up to 250 feet per minute.*

## METAL DETECTION MATERIALS COMPARISON

### Sustarin® C MDT (Acetal)

Ferrous (Sphere mm)	Non-Ferrous (Sphere mm)	Stainless Steel (Sphere mm)	Sustarin® C MDT (Cubed mm)
0.70	0.70	1.00	2.45
0.80	0.90	1.10	2.80
0.90	1.00	1.20	3.15
1.00	1.20	1.50	3.50
1.20	1.32	1.58	4.20
1.30	1.50	1.90	4.55
1.50	1.60	2.20	5.25
1.60	1.80	2.40	5.60

### Polystone® M MDT (UHMW)

Ferrous (Sphere mm)	Non-Ferrous (Sphere mm)	Stainless Steel (Sphere mm)	Polystone® M MDT (Cubed mm)
0.70	0.70	0.80	2.33
0.80	0.80	1.00	2.66
0.90	0.90	1.10	3.00
1.00	1.00	1.20	3.33
1.20	1.20	1.50	4.00
1.30	1.27	1.60	4.33
1.50	1.50	1.80	5.00
1.60	1.60	2.00	5.33

Note: This test was designed to provide an estimate for the size of Sustarin® C MDT or Polystone® M MDT that could be detected in any product using Safeline Metal Detectors when the Ferrous, Non-Ferrous, or Stainless Steel standard detection size is known. It is reasonable to expect the corresponding equivalent conductive material of Sustarin® C MDT or Polystone® M MDT detected as well in the same product under same testing conditions.



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