

## SUSTARIN® C MDT - detectable acetal for the food & packaging industries!

### SUSTARIN® C MDT

NEW

Finally, an engineering plastic is available that provides all of the physical properties of acetal, can be sensed by metal detectors and best of all it is FDA compliant.

Röchling Engineering Plastics now offers SUSTARIN® C MDT as a solution to many food processing and packaging applications. Most of the food products that we consume every day come into contact with different machines during the manufacturing and packaging processes. If just a small part or component from any one of those machines finds its way into the food there can be serious health risks.

SUSTARIN® C MDT has special additives that allow it to be traced by standard metal detectors and removed before causing further contamination. Quality assurance engineers at some of the largest food processing manufacturers in the country have already tested this product and found it to be highly effective.

The important mechanical, thermal and chemical resistance properties remain unchanged in comparison to standard acetal. This engineering plastic is easily machined and has excellent dimensional stability for close tolerance parts. SUSTARIN® C MDT complies with FDA regulations concerning direct contact with food and is offered in rods from 1/4" to 8" diameter and sheets from 3/8" to 4" thick in a brilliant blue color.



SUSTARIN® C MDT can be sensed by standard metal detectors.

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

Property	Units	SUSTARIN C MDT
Density	g/cm <sup>3</sup>	1.55
Service temperature - long term/max.	°F	180
Service temperature - short term/max.	°F	300
Tensile Strength at Yield	MPa	65
Tensile Modulus of Elasticity	MPa	3100

#### Applications

- Scraper blades
- Mixer components
- Rollers
- Bushings
- Bearings
- Guides
- Agitators
- Pharmaceutical packaging
- Pillow blocks

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

Polystone® M (UHMW-PE)	Sustamid® Nylon
Polystone® P (Polypropylene)	Sustarin® Acetal
Polystone® G (HDPE)	Susta HPM's

*The values indicated result from numerous measurements for an approximation of the values and are to our best knowledge. They serve as information about our products and are presented as a guide to choose from a range of materials. This however does not include an assurance of specific properties or the suitability for particular application purposes that are legally binding. Since the properties also depend on the dimension of the semi-finished products and the degree of crystallization (e.g. nucleating by pigments), the actual values of the properties of a particular product may differ from indicated values.*

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