RÖCHLING Engineering Plastics

RÖCHLING news & knowledge

November | 2009

Polystone® M MDT - detectable UHMW-PE for food-processing & packaging machinery!

NEW

Polystone® M MDT

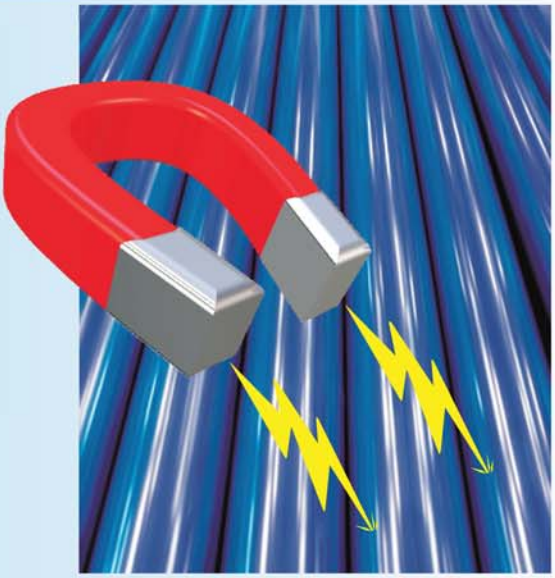
Food processors face the ever present risk of contamination finding its way into their product. The risks and potential financial losses can be significant if not detected early. Röchling Engineering Plastics now offers a ground breaking solution to this problem with the introduction of **Polystone® M MDT**.

The unique additives in this product allow it to be easily traced by standard metal detectors while continuing to provide the outstanding wear-resistance and sliding properties you would expect from Polystone® M. Designed to replace machined parts made from steel and lower performing plastics, this engineering polymer has high-impact strength, is easily machined and has no moisture absorption.

Polystone® M MDT complies with FDA regulations concerning direct contact with food. Every food processor that utilizes metal detectors in their processing or packaging operations can easily realize the advantages of **Polystone® M MDT**.

Available as:

Rods: 1/2" to 8" dia
Sheets: 3/8" to 4" thick
Profiles: standard or custom



Suggested use with the following food products include:

- frozen & prepared foods
- soup and chili
- snack foods
- chips and tortillas
- cereals
- cheese
- ice cream
- candies and chocolates
- pastries
- pet food

Property	Units	Polystone® M MDT
Density	g/cm3	0.949
Elongation	%	320
Wear by sand-slury test	Nat. UHMW = 100	88
Constant service temperature-max.	F°	180

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.

Applications

- wear-strips
- sprockets
- chain guides & tracks
- pillow blocks
- bushing & bearings
- gears
- guides
- scraper blades
- mixer components

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

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

Röchling Engineering Plastics
903 Gastonia Technology Parkway
Dallas, NC 28034, USA
Phone: 704-922-7814
Fax: 704-922-7651
info@roechling-plastics.us
www.roechling-plastics.us