

Sanitary Seal Division

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SEALDETECT® Metal Detectable and X-Ray inspectable elastomers

Gasket and O-rings installed in food, beverage and pharmaceutical processing equipment can be damaged during installation resulting in the shearing off of rubber fragments and the subsequent contamination of the product. Additionally, the chemicals used in CIP and SIP operations can cause degradation of the rubber components. When degradation occurs, there is additional risk of rubber fragments migrating through the system and into the product. This type of contamination results in product loss or even recall.

SEALDETECT® compounds are metal powder impregnated materials that have been specifically developed to advance the capabilities for detecting contamination and foreign material in the food, beverage and pharmaceutical industries. They are available in six FDA compliant compounds in the form of O-rings and sanitary gaskets. Standard colors are blue and black with other colors available.

O-ring and gasket fragments from a **SEALDETECT®** compound as small as 2mm are readily detected by in-line magnetic or X-ray detection equipment. Thus, they provide a simple yet cost effective method to detect any part of an O-ring or gasket that has sheared off and made its way into the product. These O-rings and gaskets are used in the production processes of the food, beverage, pharmaceutical industries to insure product safety and integrity.

SEALDETECT® Material	SEALDETECT® Designator	Temperature Range	Additional Information
Fluoroelastomer (viton)	SFYZX	-20° F to 400° F	FDA Compliant
EPDM	EZX	-30° F to 300° F	FDA Compliant
Buna-N	UZX	-30° F to 200° F	FDA Compliant
Silicone	XZ	-58° F to 450° F	FDA Compliant
Ty-Steel (modified PTFE)	TYS	-100° F to 500° F	FDA Compliant
Sanifluor® (AFLAS®)	FEPZX	23° F to 400° F	FDA Compliant

All statements and recommendations in this publication are based on our experience and knowledge of typical applications of this product and shall not constitute a guarantee of performance nor modify or alter our standard warranty for this product. Prior to actual use it is highly recommended that suitable tests be run to determine this product's suitability in a specific application. This is critical where failure could result in injury or damage.

*Viton® is a registered trademark of the Chemours Company

*AFLAS® is a registered trademark of Asahi Glass Co., Ltd.

*SEALDETECT® is a registered trademark of Process Technologies, Inc.

*Sanifluor® is a registered trademark of Process Technologies, Inc.