

## **FCM (food contact materials)**

### **Suitability and restrictions of use for Seals**

The below suitability and restrictions must be taken into consideration in products used in food and drug applications according to:

FDA cfr21:177.2600 / FDA cfr21:177.1550 / EU 1935/2004 / EU 2023/2006

<b>EPDM:</b>	Good resistance to alcohol, ketones, mineral acids and alkalis. Suited for CIP. Not suited for use with oils and hydrocarbons and fatty foods Temperature range from -40°c to +140°c
<b>FPM/FKM:</b>	Particularly resistant to acids, solvents and most commonly used chemicals used in food, dairy and pharma applications. Not suited for ketones, esters, hot concentrated caustic solutions and steam. Temperature range from -20°c to +200°c
<b>NBR:</b>	Good resistance to mineral oil, animal and vegetable fat and water. Not recommended for CIP Temperature range from -30°c to +100°c
<b>PTFE:</b>	Universal chemical resistance. Used in food, dairy and pharma applications. Caution to be taken for cold flow and over tightening. Temperature range from -100°c to +250°c
<b>PTFE (envelope):</b>	Universal chemical resistance. Used in food, dairy and pharma applications. Composit seal, outer PTFE inner FPM Temperature range from -30°c to +200°c

In accordance with FDA cfr21 177.2600(g), good manufacturing practice, rubber articles intended for contact with food must be thoroughly cleaned prior to food contact.

KM Rustfri A/S – August 2016

  
**KM Rustfri A/S**  
Bo Melgaard  
Gl. Rindøvej 2a, DK-7800 Skive  
Phone +45 97534344 Fax +45 97534393  
Quality Manager