

Sanitary Seal Division

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Sanitary Gaskets and O-rings

Standard Materials

BUNA-N **Material Designator U** **Temperature Range -30°F to 200°F**
BUNA-N should be considered for use with oils and animal fats. This is a food grade and 3A approved that has good compression set characteristics. BUNA-N does have a limited temperature range which precludes its use in many applications. This material does not meet USP Class VI. Available in many colors.

EPDM **Material Designator E** **Temperature Range -30°F to 300°F**
EPDM (Ethylene Propylene Diene Monomer) This material is USP Class VI, FDA and 3A compliant. EPDM has very good water and steam resistance. Because of its polymer structure, this material does not offer strong resistance to oil, animal fat and most acids. . Available in many colors.

Viton®/FKM **Material Designator SFY** **Temperature Range -20°F to 400°F**
FKM is USP Class VI, FDA and 3A compliant. This material provides high acid and temperature resistance. It does not have strong Base resistance and performs very poorly when used with Ketones. FKM is not recommended for continuous use in SIP. Available in many colors.

Teflon®/PTFE **Material Designator G** **Temperature Range -100°F to 500°F**
A very versatile material with broad chemical and temperature resistance and virtually no extractables. PTFE is a plastic and is subject to creep and cold flow. It is not recommended where large temperature variations occur or where component.

Silicone-Platinum Cured **Material Designator RXC** **Temperature Range -80°F to 450°F**
Platinum cured silicone is USP Class VI, FDA and 3A compliant. This material has a high purity standard and is known for its non-leaching characteristics. It also is resistant to many chemicals and combinations of chemicals and has excellent low temperature flexibility.

Silicone **Material Designator X** **Temperature** **Range -58°F to 450°F**
Peroxide cured silicone is USP Class VI, FDA and 3A compliant. This material is very pure and has low extractables. It performs well over a wide temperature range. Available in many colors.