

EPDM o-rings, or ethylene propylene o-rings, offer lower cost steam and chemical resistance. With great heat stability and resistance to compression set, EPDM is often characterized by wide range of applications and resistance to the elements. E1080 is manufactured to be USP VI, FDA compliant, and 3A.

## ABOUT #E1080

E1080 a medical grade material. It is USP Class VI, and FDA compliant per 21 CFR 177.2600. Compound E1080 is suitable for use in all food contact applications including dry, aqueous and fatty media.

## FEATURES

- FDA compliant – CFR21, 177.2600 (e,f)
- USP Class VI
- 3-A Sanitary Standards 18-03 Class 2 compliant
- Good heat and compression resistance.
- Free from animal derivatives (ADI)
- Resistant to ketones, hot and cold water, steam, alkalis, polar solvents, ozone, sunlight, alcohols, glycol engine coolant and Skydrol (phosphate ester hydraulic fluid).

## APPLICATION EXAMPLES

- Medical applications
- Food applications
- Dairy applications
- Steam applications
- Outdoor weathering applications

## ADDITIONAL INFORMATION

- Service Temperature of -40° to 300°F
- Spec: FDA - Title 21 CFR 177.2600, USP Class VI

This information is accurate and reliable to the best of our knowledge. However, Marco Rubber makes no warranty, expressed or implied, that parts manufactured from this material will perform satisfactorily in the customer's application. It is the customer's responsibility to evaluate parts prior to use.

## PHYSICAL PROPERTIES

ORIGINAL PROPERTIES	ASTM Method	Typical Test Results
Hardness, Shore A	ASTM D2240	70
Color		Black
Tensile Strength, psi	ASTM D412	1655
Ultimate Elongation, %	ASTM D412	395
Compression Set	ASTM Method	Typical Test Results
22 hrs. @ 257°F	ASTM D395	0.165
120 hrs @ 266°F	ASTM D395	0.22
672 hrs @ 266°F	ASTM D395	0.31