

NEXT GENERATION TC-Gasket in PTFE-316L (Steam-Flon®)



Introduction

These gaskets are made from a unique blend of non-pigmented PTFE and 316L stainless steel powder. The mechanical properties of this compound are very interesting, because it eliminates the cold flow problems we experience with for example virgin PTFE. Cold flow is the term we use for movement of plastic under permanent load/stress, a state that is used with static seals. At elevated temperatures, this effect is amplified. The gasket material is slowly moving towards the inside of the fitting and creates a bead. This bead leads to flow restriction and is a potential area for particles/bacterial entrapment. The Steam-Flon® material eliminates cold flow out of the equation, creating a very stable seal with no leaks even at large temperature fluctuations.

Material: PTFE(TFM) & 316L stainless steel powder
Temperature Range: -195°C up to 288°C
Colour: Bronze
Storage: Indefinitely
Place of origin: Taiwan (TWN)
HS- code: 4016.9300

Application: EXCELLENT
SIP: EXCELLENT
CIP: EXCELLENT
Sterilization: EXCELLENT
Mineral oils & grease: EXCELLENT
WFI: Not Recommended

Compliance:

FDA CFR 177.5550
 USP 35 Cytotoxicity Testing <87>
 USP 35 Class VI 121°C <88>
 USP 35 Physicochemical Testing <661>
 EC10/2011 Migration test
 ADIF (Animal Derived Ingredient Free) BSE/TSE

| Standard | Size | Dimension | Type |
|-----------------|--------|---------------|--------|
| DIN 32676 Row C | 1/2" | 22 x 9.6mm | Mini |
| DIN 32676 Row C | 3/4" | 22 x 16mm | Mini |
| DIN 32676 Row C | 1" | 50.5 x 22.2mm | No Lip |
| DIN 32676 Row C | 1 1/2" | 50.5 x 35mm | No Lip |
| DIN 32676 Row C | 2" | 64 x 47.6mm | No Lip |
| DIN 32676 Row C | 2 1/2" | 77.5 x 60.3mm | No Lip |
| DIN 32676 Row C | 3" | 91 x 72.9mm | No Lip |
| DIN 32676 Row C | 4" | 119 x 97.4mm | No Lip |

Other standards and sizes available on request

Type "Mini":



Type "NoLip":

