

Fluoraz 890

Polytetrafluoroethylene

Greene, Tweed & Co.

Message:

Fluoraz 890 is formulated for use in sanitary gaskets where both USP and FDA compliance is required, making it an excellent compound for both pharmaceutical and other hygienic fluid handling applications such as seals for brewery applications. Fluoraz 890 metal and TOC extractable are an order of magnitude lower than premium competitive FKM formulations, ensuring little or no contamination into the process stream. Fluoraz 890 also meets the extractive requirements of both 21 CFR 177.2600 (e), (f) and 21 CFR 177.240 (d) extraction testing for perfluoroelastomers. Fluoraz 890 sanitary gaskets by Greene, Tweed are designed for minimal intrusion.

Fluoraz 784 is also available in O-rings and custom shapes where a low durometer hardness is desired.

| General Information | | | |
|---|---|-------------------|-------------|
| Features | Food Contact Acceptable Good Chemical Resistance Low Extractables Medium Hardness Steam Resistant | | |
| Uses | Gaskets Pharmaceuticals Seals | | |
| Agency Ratings | FDA 21 CFR 177.2400 (d) FDA 21 CFR 177.2600 (e), (f) USP 87 USP Class VI | | |
| Appearance | Black | | |
| Forms | Pellets | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 1.65 | g/cm ³ | ASTM D297 |
| Hardness | Nominal Value | Unit | Test Method |
| Durometer Hardness (Shore A) | 80 | | ASTM D2240 |
| Elastomers | Nominal Value | Unit | Test Method |
| Tensile Stress | | | ASTM D412 |
| 50% Strain | 5.86 | MPa | |
| 100% Strain | 11.7 | MPa | |
| Tensile Strength (Break) | 17.9 | MPa | ASTM D412 |
| Tensile Elongation (Break) | 180 | % | ASTM D412 |
| Compression Set ¹ (204°C, 70 hr) | 30 | % | ASTM D395 |
| Thermal | Nominal Value | Unit | |

| | | |
|---------------------|-----------|----|
| Service Temperature | -5 to 232 | °C |
|---------------------|-----------|----|

NOTE

1. 25% Deflection

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