Fluoraz 799

Polytetrafluoroethylene

Greene, Tweed & Co.

Message:

Sanitary gaskets made from Fluoraz® 799 proivde a level of performance in SIP and CIP systems that surpasses all other elastomers. While EPDMs and FKMs can provide a seal for extended periods, chnages in physical properties can have adverse effects beyond simple volume swell. A decrease in hardness or drop in modulus signals a reduction in compressive strength. If a sanitary gasket is retorqued to the installation specifications, the gasket will be compressed at a greater level than desired, resulting in increased intrusion into the proecess stream. An increased in hardness/modulus and a drop in elongation means embrittlement. The seal will be undertorques, resulting in either leaks or cracking.

General Information			
Features	Good Compressive Strength Low Extractables Steam Resistant		
Uses	Gaskets Seals		
Agency Ratings	USP 87 USP Class VI		
Appearance	Black		
Forms	Pellets		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.65	g/cm³	ASTM D297
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore A)	90		ASTM D2240
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (100% Strain)	18.1	MPa	ASTM D412
Tensile Strength (Break)	20.7	MPa	ASTM D412
Tensile Elongation (Break)	120	%	ASTM D412
Thermal	**Nominal Value**	**Unit**	
Service Temperature	-7 to 232	°C	
TR 10/50	7	°C	ASTM D1329

Recommended distributors for this material

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