FF156-75

Excellent Compression Set Resistance with Broad Chemical Compatibility

Extend Seal Life with FF156:

Parker's ULTRA™ FF156 general purpose material delivers long seal life and reduces cost of ownership for end-users. With excellent chemical resistance and high temperature stability (up to 527°F), FF156 can withstand exposure to the most aggressive environments across a wide range of industries such as oil & gas, chemical processing, and life sciences.

Reducing the frequency of seal maintenance and keeping equipment up and running is imperative in today's operations. FF156 offers excellent resilience giving it a significant advantage for users pressing for longer seal life.

Contact Information:

Parker Hannifin Corporation
O-Ring & Engineered Seals Division
2360 Palumbo Drive
Lexington, KY 40509

phone 859 269 2351
fax 859 335 5128
ordmailbox@parker.com

www.parker.com/oes
www.parkerorings.com

Product Features:

- 75 Shore A Hardness
- Broad Chemical Resistance
- Maximum Operating Temperature Up To 527°F
- Excellent Compression Set Resistance for Longer Seal Life
- Cost Effective Sealing Solution
- Available in O-Rings, Molded Shapes, Extruded and Spliced Geometries
- FDA* and USP Class VI

Parker compound FF156-75 complies with the ingredient guidelines listed in the FDA Code of Federal Regulations , Chapter 1 Title 21 Section 177.2600.
*In 21 CFR 177.2600, the FDA has not yet addressed the use of perfluoroelastomer polymers and their cure systems for articles intended for repeated food and beverage contact. As a result, FF156 is technically is not listed in 21 CFR 177.2600. However, the remaining ingredients of this compound do comply with 21 CFR 177.2600.

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Property		FF156-75
Original physical properties	Test Method	Test Results
Hardness, shore A, pts.	ASTM D2240	76
Tensile strength, psi	ASTM D1414	1500
Ultimate Elongation, %	ASTM D1414	160
Modulus @ 100% elongation, psi	ASTM D1414	1150
Specific gravity	ASTM D297	1.87
Low temperature retraction, ASTM D1329		
TR-10, °F (°C)		-6
Compression set, ASTM D395 Method B		
70 hrs. @ 392°F (200°C), % of original deflection		10
70 hrs. @ 446°F (230°C), % of original deflection		12
70 hrs. @ 482°F (250°C),% of original deflection		13
70 hrs. @ 500°F (260°C), % of original deflection		20
Fluid immersion steam, UPDI Steam, 70 hrs. @500°F (260°C), ASTM D471		
Hardness change, pts.		-1
Volume change, %		+3
Fluid immersion, ethylene diamine, 70 hrs. @ 194°F (90°C), ASTM D471		
Hardness change, pts.		-3
Volume change, %		+6

Test Method used ASTM D395 Method B

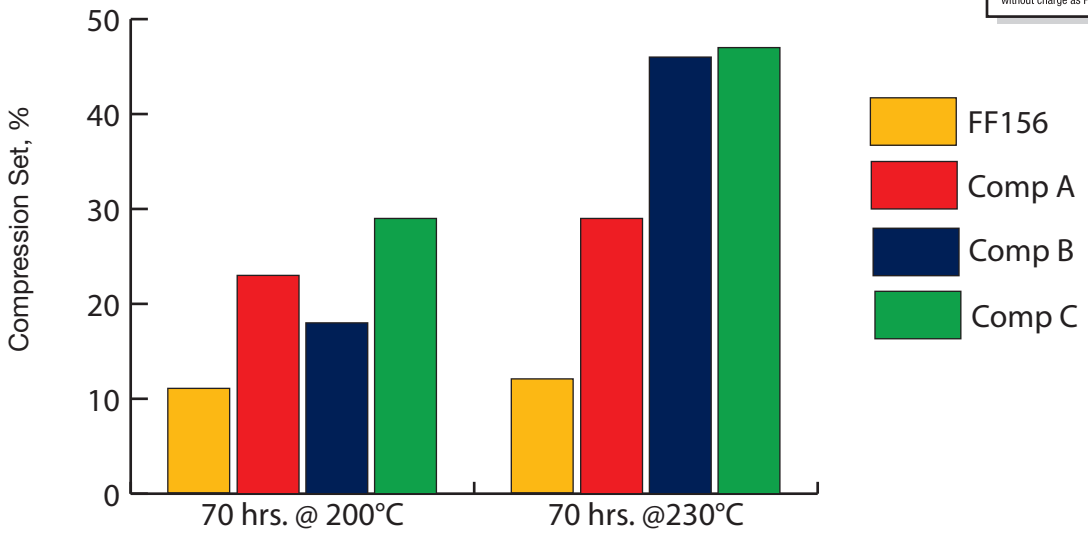
Parker's FF156 compound exhibits outstanding compression set resistance versus the competitions industry leading chemical resistant perfluoroelastomers (FFKM).

Along with its superior compression set resistance, FF156 provides resistance to aggressive media including acids, amines, hot water, ketones, aldehydes, esters, ethers, aromatics, and many more. FF156-75 offers wide chemical resistance to both polar and non-polar fluids and is resilient to steam and clean-in-place chemistries. USP Class VI and FDA compliance demonstrates biocompatibility, high-purity and low extractible material properties. This makes FF156-75 an ideal candidate for use in both pharmaceutical processes such as biofermentation and various separation processes, as well as analytical chemistry and other life science applications.

WARNING:

FAILURE OR IMPROPER SELECTION OR IMPROPER USE OF THESE PRODUCTS CAN CAUSE EQUIPMENT FAILURE OR DAMAGE, PERSONAL INJURY OR DEATH.

For safe and trouble-free use of these products, it is important that you read and follow the Parker Seal Group Product Safety Guide. This Safety Guide can be referenced and downloaded free of charge at www.parkerseals.com. It is also printed in major Seal Group product catalogs, and can be ordered by telephone without charge as Parker Publication No. PSG 5004 by calling 1-800-C-PARKER.



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