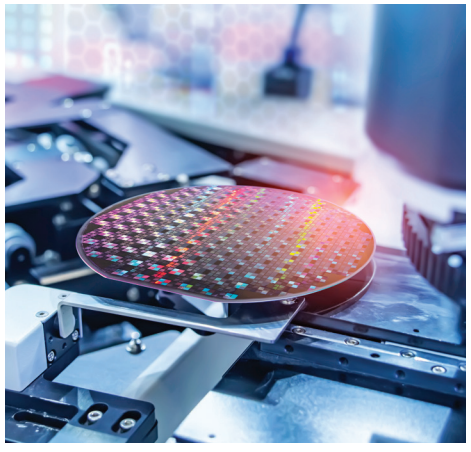
FF362-75 & FF364-65

Resilient Sealing for Harsh Environments



Extending FFKM Seal Service Life:

FF362-75 and FF364-65 are white perfluorinated elastomer (FFKM) materials developed with balanced properties including excellent compression set resistance, chemical resistance and cleanliness. The ultra-high purity compounds are resilient to aggressive process and cleaning chemistries used in wafer production for the semiconductor industry and are especially resistant to oxygen plasma. The compounds have excellent high temperature performance up to 320°C (608°F). These properties can significantly extend service life in harsh environments and reduce downtime.

Contact Information:

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Product Features:

- Maximize operating temperature 320°C (608°F)
- Resists process & cleaning chemistries including oxygen plasma
- Recommended for ashing, etch, strip tools, and CVD applications
- Available in EZ-lok, O-rings, and custom shapes

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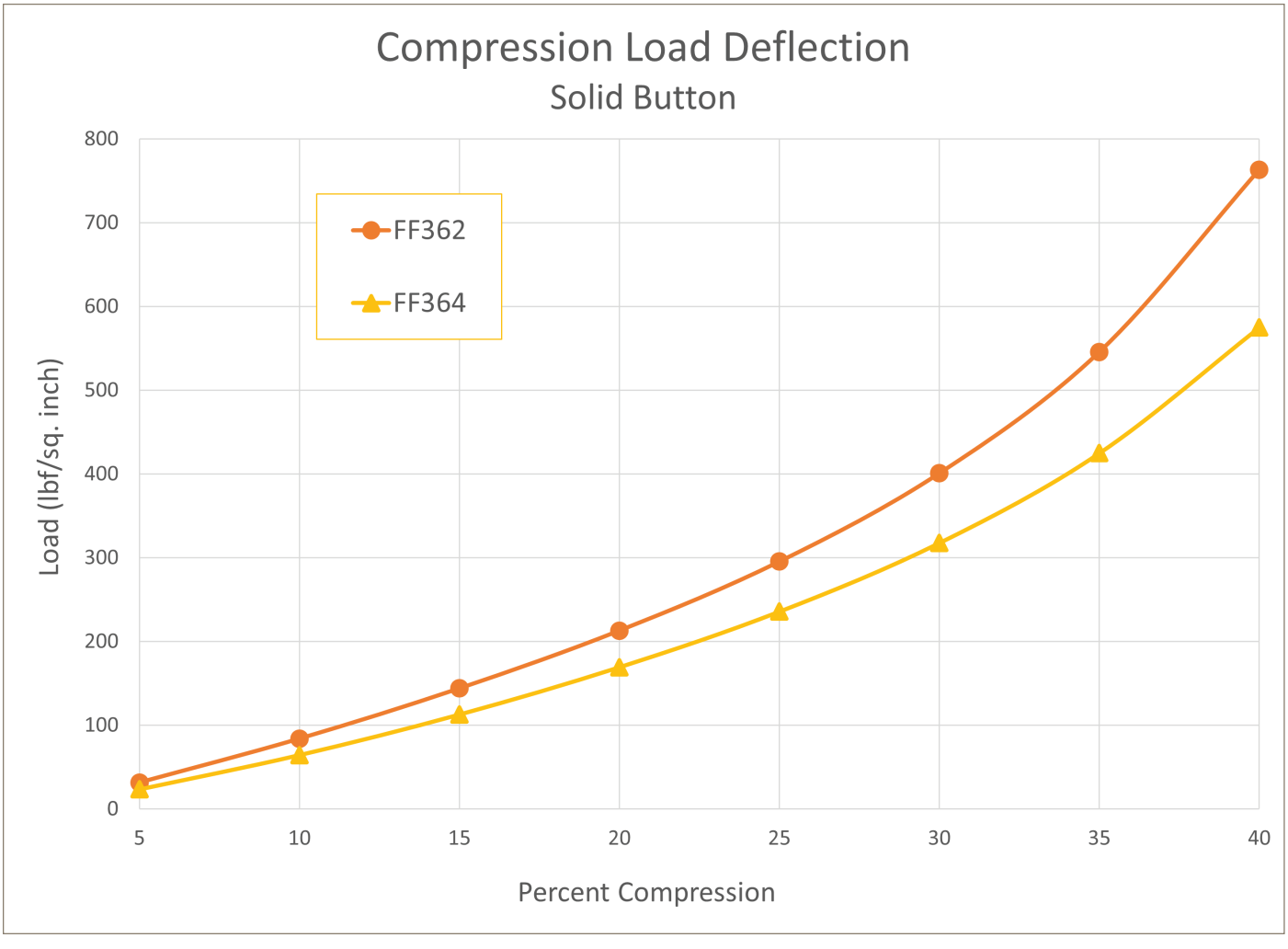
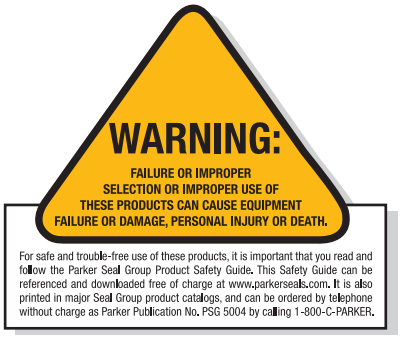
Resilient Performance, Easier Install

FF364-65 is designed with a durometer of 65 Shore A with the same temperature and chemical resistance expected for an FFKM. This lower durometer is intended to make installation easier for O-rings and other seal types into tighter groove shapes, such as dovetails and radius corner designs. This can relieve some pressure on somewhat sensitive hardware. FF364-65 seals can be compressed with lower closure forces than other perfluorinated elastomers for improved reliability and sealing performance at lower pressures.

Recommended Applications:
Target lids
Slit valve doors
Wafer pads
ISO valves
Chamber seals
Heater/lamps
Quartz windows
Gate valve doors



Material Test Report			
Original Physical Properties	**Test Method**	**FF362 Test Results**	**FF364 Test Results**
Hardness, Shore A, pts.	ASTM D2240	75	67
Tensile Strength, psi	ASTM D1414	1669	1506
Ultimate Elongation	ASTM D1414	284	281
Modulus at 100% Elongation	ASTM D1414	462	256
Specific Gravity	ASTM D297	2.33	2.15
Compression Set	**ASTM D395 Method B**		
22 hrs. @ 200°C (392°F)		12	12
70 hrs. @ 200°C (392°F)		16	15
168 hrs. @200°C (392°F)		19	20
22 hrs. @300°C (572°F)		25	24



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