



Simba™ SF606

全氟化彈性體密封件
Perfluoroelastomer



管路件專用的高經濟型全氟化產品

Special use for piping center ring and have a good cost-effective

- 管路件專用，全氟化材料等級卻擁有高經濟效益的跨世代產品
Special use for piping center ring, FFKM grade but have good cost-effectiveve.
- 適合長期在真空管路接合處使用，對於各式管路氣體均有很高的耐受性
Suitable for long time used for piping center ring and durable for every piping gas.
- 產品之最後包裝與清潔均於無塵室內完成
Cleanroom packaging and cleaning.



ea 特性與優點 FEATURE

優異的經濟效益
Excellent cost-effective
良好的應用於管路中心圈
Suitable for long time used for piping center ring

ea 典型物理特性 PROPERTY

硬度(Shore A)	75
顏色(Color)	Black
模數(Modulus, Mpa)	5.7
拉伸強度(Tensile strength at Break, Mpa)	18.5
延伸率(Elongation at Break, %)	195
壓縮變形率(Compression set, 70 hr @ 200°C)	25
建議最高連續使用溫度(Temp. , °C)	300

ea 建議應用位置 APPLIED POSITION

氣體管線密封件(Gas Inlet/Outlet Pumping Line Seals)

ea 建議應用製程 APPLIED PROCESS

擴散(Diffusion)
廠務(Sub Fab)

- SF606是專門研發用來使用在廠務管路件中心圈的產品，管路件環境最要求的就是在高溫環境的氣密性，此時材料氟含量不一定是越高越好，反而是材料能在高溫環境下展現出優異的型變特性才是最佳的選擇

SF606 is specially developed for pipe environment which have the high temperature requirement, in that case the material is not necessarily require the high fluorine content, the best choice way is showing excellent compression set in high temperature environment.

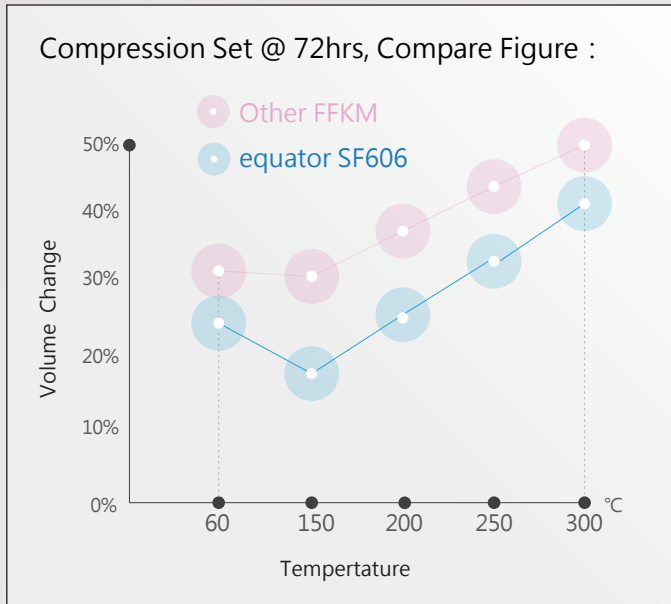


Figure. A

- equator 專屬實驗室，針對壓縮變型率去測試一般FFKM產品與equator SF606產品去做試驗，得到的結果如Figure.A，可以明顯看出在管路環境常見的250°C條件之下，SF606擁有優異的壓縮變型率表現

equator Lab conducted an experiment to compare the compression set between common FFKM and equator SF606, the result is obvious showing in Figure.A that SF606 have an excellent performance in 250°C condition.

- 此實驗是在72小時之間，把溫度由0°C上升至300°C，並測量在不同階段的重量變化百分比，由左圖可以看出三種不同材料的變化曲線，equator SF606在溫度變化之下重量的損失較少

This experiment compared the weight loss change percentage between common FFKM, other FFKM and equator SF606. Figure.B showing the result that when the temp. heating up to 300°C, SF606 have the best performance than the others.

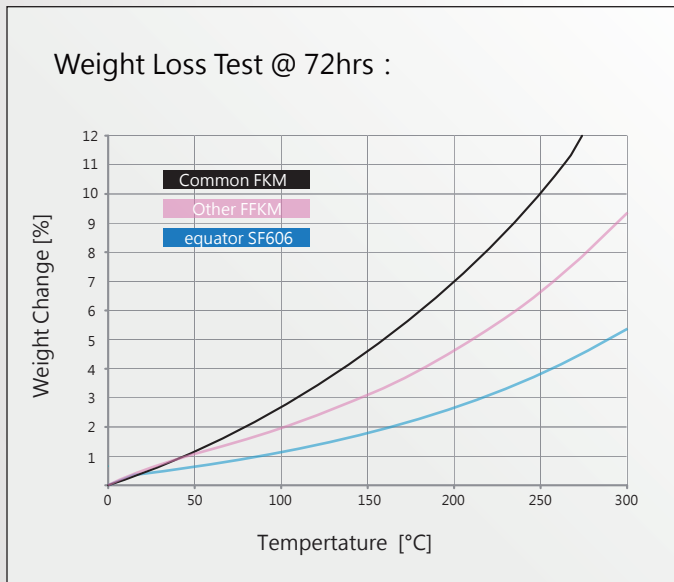


Figure. B

- 尺寸料號對照表 P/N List 1~6"

Runsea P/N	Size	Description
F-EQ-SF606A320	1"	equator SF606 FFKM O-Ring NW25 1"
F-EQ-SF606A326	1.5"	equator SF606 FFKM O-Ring NW40 1.5"
F-EQ-SF606A329	2"	equator SF606 FFKM O-Ring NW50 2"
F-EQ-SF606A340	3"	equator SF606 FFKM O-Ring NW80 3"
F-EQ-SF606A346	4"	equator SF606 FFKM O-Ring NW100 4"
F-EQ-SF606A361	6"	equator SF606 FFKM O-Ring NW150 6"

附註：以上實驗乃equator專屬實驗室依照國際標準測試規範，使用AS568 AS-214尺寸之O-Ring測試所得之結果資料，並經由equator專業人員認證符合正常範圍內的技術數據，此資料範圍並不代表絕對的終端使用結果。以此數據做為參考的使用人員，應當以實際狀況做專業的判斷，equator並不負任何相關衍生性的損失。

Note : The experiments as above were conducted by equator Lab which comply with the international standard test specification to use AS568 AS-214 O-Ring size. These data were certificated by equator professional persons that the data were confirmed to normal specification. The data do not represent the end user using result. People who use these data as a reference should according to the real situation, equator does not bear any related loss.