



TECHNICAL DATA SHEET

FLEXIBLE PURE GRAPHITE SELF SEALING RING
INMARCO STYLE 310

Description:

STYLE 310 INMARCO FLEXIBLE PURE GRAPHITE SELF SEALING RING/PRESSURE SEALING GASKET is made from flexible pure graphite foil, die moulded to required cross sectional profile reinforced with SS wire net/SS strip. The reinforcement of SS wire net/SS strip increases the mechanical strength of the ring/gasket which leads to extremely high pressure surge resistance.

STYLE 310 INMARCO FLEXIBLE PURE GRAPHITE SELF SEALING RING/PRESSURE SEALING GASKET is manufactured from corrugated flexible pure graphite tape vertically placed into the die and then pressed in hydraulic press and the pressure is calculated on the basis of required density. As the tapes are placed vertically and the compressions also are vertical in a closed die there are chances of crimping of tapes on OD & ID of the ring which are normally mistaken as cracks. These are not cracks but crimping provides resiliency in the sealing ring which is most important for perfect sealing against pressure surge.

STYLE 310 INMARCO FLEXIBLE PURE GRAPHITE SELF SEALING RING/PRESSURE SEALING GASKET is having carbon content 99.5% to 99.9%. These are manufactured in angular TOA cross sectional profile, square or rectangular cross sectional profile and BHEL (“V” on angle) cross sectional profile with high density. These are dimensionally stable under extreme pressure surge, highly thermal conductive and thermally stable. **It is a better substitute of soft iron pressure seal gasket because of very good compressibility and recovery factor.**

STYLE 310 INMARCO FLEXIBLE PURE GRAPHITE SELF SEALING RING/PRESSURE SEALING GASKET is also highly resistant to chemicals and can work in the entire PH range.

Technical Specification:

Carbon Content	99.5% to 99.9%
Ash Content	0.5% max.
Leachable Chloride Content	<50 ppm
Density	1.8 – 2 gsm/cc

Operational Parameters:

PROPERTIES	VALUES
Ph Range	0-14
Temperature (°C)	-200 to +600
Pressure (BAR)	300
Velocity (m/s)	---
Size	---

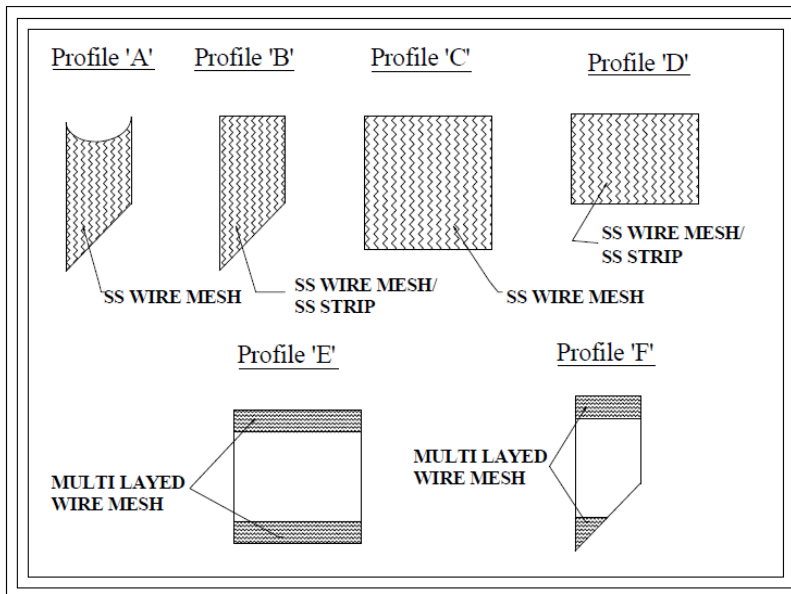
Service Media:

Super heated & Saturated steam, Hydrocarbon, Thermic fluid, Acids, Alkalis, Lube oil, etc.

Typical Applications:

Valve bonnet, Metallic flanges, etc.

Cross Sectional Profiles:



All information and recommendations given in this technical data sheet are correct to the best of our knowledge. However, in view of the wide variety of application and operating conditions one cannot draw the final conclusion in all application cases regarding the behavior of compounds. The above information can only serve as a guideline.

INMARCO FZC

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