



# **EUROSEAL® 322 LSC**

Perfect Combination of Graphite and Stainless Steel



## GRAFITE E AISI 316L: IL BINOMIO PERFETTO

Due inserti di 316L SS, con profilo dentato ad alta densità, garantiscono la fusione meccanica di tre fogli di grafite EUROSEAL® a basso contenuto di zolfo (< 700 ppm).

La grafite EUROSEAL® provvede alla perfetta adattabilità, anche in presenza di superfici rugose, graffiate e vaiolate, senza alcun effetto "buckling".

## GRAPHITE AND AISI 316L: THE PERFECT COMBINATION

A double 316L SS insert, with an high density tanged profile, guarantees the mechanical fusion of three graphite layers with low sulfur content (<700ppm).

EUROSEAL® graphite provides the perfect suitability even with rough, scratched and pitted surfaces avoiding every "buckling" effects.

### PROPRIETÀ TECNICHE GRAFITE GRAPHITE TECHNICAL PROPERTIES



| Properties               | Grade Specifications                           | Test Standards |
|--------------------------|------------------------------------------------|----------------|
| Carbon rate              | > 99 %                                         | -              |
| Ash Content              | < 1 %                                          | DIN 51903      |
| Total Sulfur Content     | < 700 ppm                                      | DIN 51931      |
| Total Chloride Content   | < 50 ppm                                       | DIN 28090      |
| Leachable Chloride       | 15 ppm                                         | -              |
| Tensile Strength         | > 4 Mpa                                        | ASTM F152      |
| Mass Loss (500 °C / 24h) | < 0,5 %                                        | FSA-MG-505-06  |
| Mass Loss (670 °C / 24h) | 3 %                                            | FSA-MG-505-06  |
| Graphite Density         | 1,1 g/cm <sup>3</sup>                          |                |
| Maximun op. Temperature  | To air 550 °C / Under inert atmosphere 1650 °C |                |

### PROPRIETÀ TECNICHE GUARNIZIONE GASKET TECHNICAL PROPERTIES



|                  |                     |                         |                                |
|------------------|---------------------|-------------------------|--------------------------------|
| T <sub>Max</sub> | 450 °C              | Equivalent drop leakage | 1,53*10 <sup>-1</sup> ml/h     |
| P <sub>Max</sub> | 120 bar             | Resiliency              | > 10 %                         |
| Factor M         | 3                   | Thickness               | 2,0 mm / 3,0 mm                |
| Factor Y         | 4000 psi            | Sealability             | < 1,33*10 <sup>-1</sup> mm/min |
| P x T            | 25000 bar x °C      | Compressibility         | 41,8 %                         |
| Creep relaxation | 8% after 86400 sec. | Recovery                | 14,3 %                         |



Since all properties, specifications and application parameters shown throughout this catalogue are approximate and may be mutually influenced, your specific application should not be undertaken without independent study and evaluation for suitability. All technical data and advice given is based on experiences GENERAL PACKING ITALY® has made so far. Failure to select proper sealing products can result in damage and/or personal injury. Properties, specifications and application parameters are subject to change without notice. GENERAL PACKING ITALY® does not undertake any liability of any kind whatsoever. Please note: the color of the actual product might vary from the above image on this data-sheet.