



PLANISTEEL CAMPROFILE GRAPHITE

Composition

Unless otherwise specified, Planisteel Camprofile gaskets will be manufactured according to the following criteria:

- Profile design in accordance with ASME B16.20
- Metallic core thickness: 3.00 mm
- Graphite layer thickness: 0.50 mm (each side)
- Total gasket thickness: 4.00 mm
- Industrial grade graphite, C > 98.00%
- Metal type and configuration (no ring - NR, integral ring - IR, loose ring - LR) according to customer specification
- Sealing Factors:
 - Sgmin: 55.0 MPa
 - So-gmin: 26.0 MPa
 - m = 2.5
 - y = 4350 psi

Characteristics

Planisteel Camprofile gaskets consist of a grooved metallic core covered on both sides with a soft sealing material.


Production follows the profile design specified in ASME B16.20, although customized profiles or compliance with other standards can also be provided. The concentric grooves in the core ensure excellent sealing performance even under low bolt loads, while the soft facing material allows for optimal adaptation to flange surface irregularities.

Applications

Gaskets for pipeline and heat exchangers flanges, suitable for pressure classes 150 to 2500.

They are designed to ensure reliable sealing of flanged joints in all applications within chemical and petrochemical plants, refineries, and power generation facilities.

Tech Data

	P bar	lbf/in2	Vm/S	f/pm	pH	T°C	T°F
	420	6300			0 ÷ 14	-200 ÷ 450 / 550	-330 ÷ 850 / 1020

- With weakly oxidizing agents and hot air the temperature must be limited to 450 °C
- Graphite and carbon cannot be used with oxidizing fluids
- With steam and non-oxidizing fluids, the temperature must be limited to 550°C

Planisteel Camprofile Graphite

Maximum reliability, even in the most extreme conditions.

The Planisteel Camprofile gasket combines strength with application flexibility, ensuring flawless sealing even on imperfect flanges and under high pressure or temperature. It is the ideal choice for those seeking high performance along with safety and long-lasting flange sealing in industrial plants.



The information in this publication, as well as any additional information provided to users, is based on experience and is shared to the best of our current knowledge. However, due to numerous factors beyond our knowledge and control that may affect the use of these products, no warranties are provided or implied regarding this information. The operating limits presented in this publication do not imply that these values can be applied simultaneously. Do not use the product at the maximum temperature and pressure values simultaneously. The maximum temperature is suitable only for short-term exposure under specific conditions. Specifications are subject to change without prior notice. The picture in the DS may not accurately depict the exact color and/or markings of the product.



Carrara S.p.A.,
Via Provinciale 1/E - 25030 Adro - BS - Italia
tel. +39 030 7451121 / fax +39 030 7451130
www.carrara.it - info@carrara.it