

PLANIGRAPH LGRF

TECHNICAL DATA

T	°C	-100 // +450 (1) / +550 (2)
P	bar	100
Ph		0 • 14 (3)



- 1) with oxidizing media
- 2) with steam and not oxidizing media
- 3) except strong oxidizers

Not use the product while maximum temperature and pressure are combined before to consult the manufacturer

Composition

- Pure graphite
- Tanged insert SS 316

Properties

- With tanged stainless steel sheet reinforcement; easy to handle.
- Low permeability to gases, impermeable to liquids.
- Low diffusion rates, high blowout resistance and high mechanical strength.
- Good scratch resistance
- Can be used in air from the lowest temperatures up to about 550°C.
- Good resistance to chemicals.
- Good shear strength.
- Asbestos-free, presents no health hazard
- No ageing or embrittlement, because of absence of binders.
- Long-term stability of compressibility and recovery over a wide temperature range.
- No measurable cold or warm flow up to maximum permissible compressive stress.
- Good resistance to thermal shock.
- Made in Italy

Applications

Suitable on flanges in chemical and petrochemical plants, electric and power stations and for the steel industries.

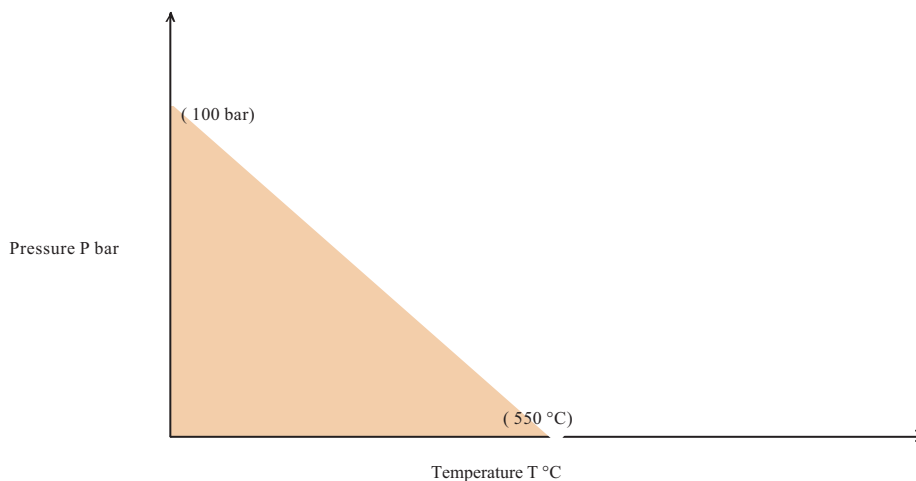


TECHNICAL DATA SHEET - CST 0510/01 - 23/07/2003

PLANIGRAPH LGRF

MATERIAL DATA

PLANIGRAPH CARRARA LGRF			
Thickness	Inch / mm	3/64"/1.0	1/16"/1.5 3/32"/2.0 1/8"/3.0
Size	Inch / mm	40" x 40" - 60" x 60" 1000 x 1000 - 1500 x 1500	
Bulk density of the graphite	gr/cm ³	1.00	
Ash content (DIN 51903)	%	≤ 2.0	
Chloride content	ppm	≤ 50	
Weight loss after heating	%	≤ 10	
material of reinforcing foil	S.Steel	AISI 316L	
Thickness of reinforcing foil	mm	0.10	
Stability under compressive stress (DIN 529913), 16h, 350°C, initial stress 50 N/mm ²	N/mm ²	≥ 48	
Compressibility	ASTM F36A-66	%	30 to 40
Recovery	ASTM F36A-66	%	15 to 20
Maximum assembly load	N/mm ²	50	



P x T diagram—Planigraph LGRF