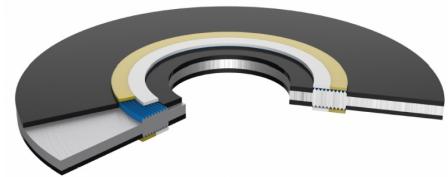




# GUARDIAN PERFORMER FIRE ICP

## Composition

- Camprofile gasket + sealing layers
  - Thickness: 7.90 mm (0.3125")
- SS316L Metal Core (other available on demand)
  - Thickness: 2.00 mm (0.080")
- GRE Laminate (for side)
  - Thickness: 1.00 mm (0.040")
    - Option A: G10 (FR4)
    - Option B: G11 (FR5)
- Sealing Element
  - Camprofile gasket with PTFE and MICA layers
- Insulating sleeves
  - Thickness: 0.90÷1.10 mm
    - Option A: GRE G10 (FR4)
    - Option B: GRE G11 (FR5)
- Insulating washers
  - Thickness: 3.00 mm
    - Option A: GRE G10 (FR4)
    - Option B: GRE G11 (FR5)
- Metallic Washers
  - Thickness: 3.00 mm
    - Option A: Zinc Plated Carbon Steel
    - Option B: Other metals on request



## Guardian Performer Fire ICP

Flange isolation Kit with GRE (Glass-Reinforced Epoxy)-coated metallic retainer, equipped with sealing elements in Mica and PTFE.

The Guardian Performer FIRE ICP flange insulation kits are designed to provide both effective electrical insulation of the flange and Fire Safe sealing performance. Guardian Performer FIRE ICP complies with the requirements of the API 6FB Third Edition Fire Test.

Thanks to its special composition, the gasket can be used with high sealing standards on RF, FF and RTJ flanges up to 200°C, in ASME 150 - 2500# and API 2 - 10K# ratings, as well as PN 420#.

## Applications

Insulating kit for flanges.

## Tech Data

TEST METHOD	FEATURES	Mylar® <sup>(1)</sup>	Nomex® <sup>(1)</sup>	G10 (FR4) <sup>(2)</sup>	G11 (FR5) <sup>(2)</sup>
D149	Dielectric Strength KV/mm Short Time	15,8	18,0	-29,5÷31,50	21,5
D695	Compressive Strength (MPa)	-	-	448,0	434,0
D638	Tensile Strength (MPa)	69,0	620,0	344,0	290,0
D570	Water Adsorption (%)	0,8	7,0	0,1	0,1
--	Temperature - Operating °C	-50÷150	-50÷230	-150÷150	-75÷200

Note (1): Material available only for sleeves.

Note (2): Material available for retainer, sleeve and washer.

Gasket Pressure range		Sealing Element - Temperature range	
ASME Gasket Pressure Range	150÷2500 lbs	PTFE	-200°C÷260°C
API Gasket Pressure Range	2000÷10000 psi	MICA	-200°C÷1000°C
PN Gasket Pressure Range	PN2,5÷PN420		

\* The maximum operating temperature of the kit is the lowest among its individual components.

\* Customized kits are available with tailored thickness and component materials.

The Guardian Performer FIRE ICP flange isolation kit is particularly suitable for services with critical fluids, high pH, or H<sub>2</sub>S. Thanks to the dual sealing system, it offers extremely low emission levels, in line with the strictest limits.

*\* In the standard configuration, the kit is supplied with a SS316L retainer and with insulating sleeves and washers in GRE G10 (FR4).*



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