

Topog-E® Series MCG Gaskets

MATERIAL COMPOSITION AND APPLICATION

Topog-E® Series MCG is a metallic corrugated gasket made with flexible graphite - designed for severe conditions. The unique design of the corrugations gives optimal sealing and recovery characteristics for difficult conditions in the refining, chemical, and pulp & paper industries. **Topog-E® Series MCG** is suitable for service in steel, oil, mild alkalis, mild acids, hydrocarbons, and solvents.

Topog-E® Series MCG ideal applications:

- Steam boilers
- Oil & gas
- Mining
- Food & beverage
- OEM services
- Petrochemical
- Power generation
- General industrial
- Marine
- Chemical processing
- Pulp & paper
- Water & wastewater

Topog-E® Series MCG gasket advantages:

Recovery characteristics for optimal sealing - well suited for thermal cycling

Blowout resistant - metallic core resists internal pressure spikes

Emissions control - Nitrogen sealing results (ASTM F2378) <0.01 cc/min.

Easy to handle and install

Seals with notably lower bolt loads than Spiral Wound Gaskets

MATERIALS

Alternative facing material is available upon request. A popular alternative material is Topog-E Series 3000 expanded PTFE (ePTFE)

Topog-E® Series MCG gaskets consists of flexible graphite laminated with an adhesive bond on both sides of a corrugated 316 stainless steel core.

SIZES

Topog-E® Series MCG is available in 1/16", 3/32", and 1/8" thickness

SERVICE SUMMARY

Temperature:

Min -200°C (-328°F)

Max 650°C (1,200°F)

Continuous Max 550°F (1,022°C)

pH Range, room temp.: 0-14
(DIN 28090/1.2) < 10ppm @He

Pressure, Max, bar (psi): 207 (3,000)

WARNING: Topog-E® gaskets should never be recommended when both temperature and pressure are at the maximum listed. Properties and applications state are typical. No applications should be undertaken by anyone without independent study and evaluation for suitability. Never use more than one gasket in one flange joint and never reuse a gasket. Improper use or gasket selection could cause property damage and/or serious injury. Data reported is a compilation of field testing, field service reports and/or in-house testing. While the utmost care has gone into publishing the information contained herein, we assume no responsibility for errors. Specifications and information contained within are subject to change without notice. This edition cancels and obsoletes all previous editions.



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All information in this data sheet is based on data believed to be reliable; however, we make no guarantee or warranty of the performance of Topog-E® Series MCG gaskets. Due to numerous application-specific factors that can influence service life, it is always advisable to first test Topog-E® Series MCG gaskets in a particular application to determine their ultimate suitability.