

# Topog-E® Series 180 ANSI Flange Gaskets

## MATERIAL COMPOSITION AND APPLICATION

Steam Applications make extreme demands on gaskets; **Topog-E® Series 180 ANSI Flange** gaskets are specifically formulated to meet and exceed these demands and deliver industry standard performance.

**Topog-E® Series 180 ANSI Flange** gaskets have been refined through a series of over 600 research formulation tests to ensure that they are able to meet the exacting performance standards of various industrial processes.

**Topog-E® Series 180 ANSI Flange** gasket advantages:

**Conform** to the topography of the flange surface

**Withstand** a boiler's full, continuous and cycling operating pressures

**Withstand** continuous exposure to water treatment chemicals

**Withstand** continuous exposure to ion and oxygen attack in hot air

**Replace easily**, without chiseling or buffing

**Topog-E® Series 180 ANSI Flange** gaskets are available up to 20" 150/300# for full face and 24" for raised face 150/300#. Custom shapes, sizes and sheet material are available upon request.

## MATERIAL DESCRIPTION

Special proprietary rubber composition, black, 80-85 durometer

## ORDERING

Please either contact your local distributor for **Topog-E® Series 180 ANSI Flange** gaskets or contact Topog-E® directly for details of your nearest distributor.

## SERVICE SUMMARY

Steam applications

**Temperature:** up to 380°F (193°C)

**Pressure:** 180 psig (12 bar)

Water, condensate, etc. vessels

**Temperature:** less than 300°F (150°C)

**Pressure:** 200+ psig (14 bar)



**TOPOG-E®**

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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 180 gaskets. Due to numerous application-specific factors that can influence service life, it is always advisable to first test Topog-E® Series 180 gaskets in a particular application to determine their ultimate suitability.

# Topog-E<sup>®</sup> Series 180 ANSI Flange Gaskets

## APPLICATIONS

When used on steam pressure vessels **Topog-E<sup>®</sup> Series 180 ANSI Flange** gaskets are typically used at operating pressures of up to 180 PSI (12 bar) and saturated steam temperatures up to 380° F. (193° C) for an average service life of one year. When used in other applications (e.g. condensate, water, and air vessels) **Topog-E<sup>®</sup> Series 180 ANSI Flange** gaskets are sometimes used at pressures above 200 PSI (14 bar) where temperatures are typically more moderate (e.g. below 250°F./121°C.). When operating under less severe conditions (e.g. water applications at ambient temperatures) **Topog-E<sup>®</sup> Series 180 ANSI Flange** gaskets can provide very long service lives.

## INSTALLATION ENVIRONMENT & SUITABILITY

**Topog-E<sup>®</sup> Series 180 ANSI Flange** gaskets are specifically formulated to have excellent resistance to steam and hot and cold water. They also have great resistance to:

- Alcohols
- Ketones
- Phosphate esters
- Silicone oils and greases
- Dilute acids and bases
- Selected refrigerants
- Ammonia
- Salts
- Glycols
- Animal and Vegetable fats
- Chloromine

Water treatment chemicals, when used in accordance with supplier's guidelines, should not have a significant effect on the service life of properly installed **Topog-E<sup>®</sup> Series 180 ANSI Flange** gaskets. **Topog-E<sup>®</sup> Series 180 ANSI Flange** gaskets are not recommended for use in applications where they see direct exposure to high concentrations of aromatic hydrocarbons, chlorinated solvents, or petroleum based oils, fuels, and lubricants.

- Water softeners
- Hot water heaters
- Steam humidifiers and cookers
- Water purifiers and demineralizers
- Refrigeration units
- Liquid treatment vessels
- Carbon absorption and filtering vessels
- Dryer cans in paper mills
- Water hydrants
- Mixing tanks
- Compressed air tanks
- Various types of dryers
- Air starters and receivers
- Deaerators
- Hatch covers
- Water towers and columns
- PVC reactor vessels
- Water treatment systems



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