

Topog-E® Series 180 gaskets

They're what your boiler would choose...

THE STEAM BOILER INDUSTRY'S STANDARD GASKETS

The steam boiler market makes extreme demands on gaskets; Topog-E® molded rubber gaskets are specifically formulated to meet and exceed these demands and deliver industry standard performance.

Topog-E® Series 180 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 the steam boiler industry.

Specifically they:

Conform to the topography of the mating surfaces

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

Prevent all leakage

Replace easily, without chiselling or buffing

MATERIAL DESCRIPTION

SPECIAL, PROPRIETARY RUBBER COMPOSITION, BLACK, 80-85 DUROMETER.

SERVICE SUMMARY

Steam boilers: up to 180 psi (12 bar) and 380° F. (193° C) Water, condensate, etc. vessels: 200+ psi (14 bar) and less than 300°F. (150°C)



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APPLICATIONS

When used on steam pressure vessels **Topog-E® Series 180** 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® Series 180** 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® Series 180** gaskets can provide very long service lives.

Topog-E® Series 180 gaskets have been used successfully around the world for over forty years. In general, any type of industrial pressure vessel or tank that has inspection openings is a potential application where **Topog-E® Series 180** gaskets can be used as a cost effective sealing device. In addition to using them in steam pressure vessels, customers also use Topog-E® molded gaskets and sheet material with great success in many other applications, including:

- 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

INSTALLATION ENVIRONMENT & SUITABILITY

Topog-E® Series 180 gaskets are specifically formulated to have excellent resistance to steam and hot and cold water.

They also have good resistance to:

- Alcohols
- Ketones
- Phosphate esters
- Silicone oils and greases
- Dilute acids
- Bases
- Salts
- Glycols
- Ammonia
- Selected refrigerants
- Animal and vegetable fats

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® Series 180** gaskets.

Topog-E® Series 180 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.

SIZES

Topog-E® Series 180 gaskets are available in 350 stock sizes and shapes.

Custom shapes, sizes and sheet material are available on request

ORDERING

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

DISCLAIMER

All information in this data sheet is based on data believed to be reliable, however we make no guarantee or warranty of performance of **Topog-E® Series 180** gaskets. Because there are many application-specific factors that can affect service life it is always advisable to first test **Topog-E® Series 180** gaskets in a particular application to determine their ultimate suitability.



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