

# POWER<sup>®</sup>gasket 400



### Construction:

**POWER<sup>®</sup>gasket 400** is an universal jointing sheet with high temperature and pressure resistance, manufactured from graphite and carbon fibre, bonded with Nitrile rubber (NBR).

### Application / service:

**POWER<sup>®</sup>gasket 400** is suitable for sealing petroleum derivatives, water, saturated steam, solvents, gases and chemical products in general. **POWER<sup>®</sup>gasket 400** has been approved by DVGW (Deutscher Verein des Gas- und Wasserfaches e.V.) for use in flange joints of pipe conduits (gas fittings, gas mains and gasequipment).

### TECHNICAL DATA:

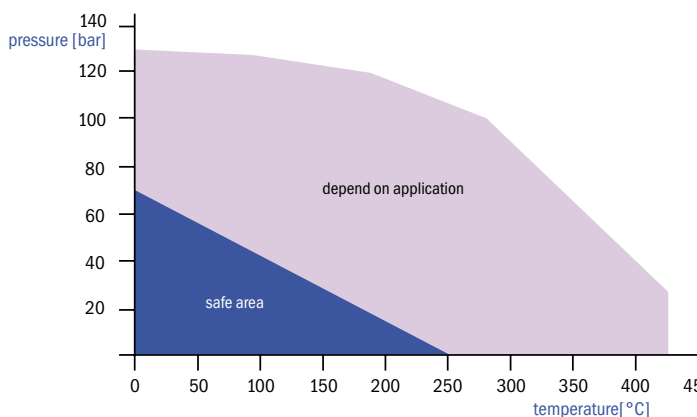
Peak temperature: +450 °C  
 Constant temperature: +250 °C  
 Peak pressure: up to 130 bar  
 Constant working pressure: 70 bar  
 Colour: black

### PRODUCT STANDARD:

thickness: 0,5 / 1,0 / 1,5 / 2,0 / 2,5 and 3,0 mm  
 sheet size: 1.500 x 1.600 and 1.500 x 3.200 mm

### TYPICAL PHYSICAL PROPERTIES:

| Test method | Physical properties  | Values                    |
|-------------|--|---------------------------|
| ASTM F 36   | Compressibility  | 9 %                       |
| ASTM F 36   | Recovery   | 60 %                      |
| ASTM F 146  | Weight increase:<br>5h / ASTM oil / Nr. 3 @ +150 °C<br>5h / ASTM Fuel B @ +21÷29 °C    | 10 %<br>9 %               |
| ASTM F 146  | Thickness increase:<br>5h / ASTM oil / Nr. 3 @ +150 °C<br>5h / ASTM Fuel B @ +21÷29 °C | 7 %<br>7 %                |
| ASTM F 152  | Tensile strength, transverse   | 17 N/mm <sup>2</sup>      |
| -           | Density  | cca 1,7 g/cm <sup>3</sup> |



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