

# DATA SHEET

## O-Ring 188509

### PART INFORMATION

|                                       |            |
|---------------------------------------|------------|
| Part number                           | 188509     |
| Inside diameter d1                    | 399,30 mm  |
| Cross-section d2                      | 5,70 mm    |
| Size standard                         |            |
| Tolerance range according to          | ISO 3601-1 |
| Rubber family                         | FKM        |
| Rubber compound                       | DF801      |
| Quality acceptance criteria on aspect | ISO 3601-3 |



### DF801 COMPOUND INFORMATION

#### Original characteristics

|                                 |                  |
|---------------------------------|------------------|
| Hardness Sh A                   | 80               |
| Tensile strength                | 15 MPa           |
| Elongation at break             | 175 %            |
| Compression set                 | 18 % (72h 200°C) |
| TR10                            | -14 °C           |
| Brittle point                   | -25 °C           |
| Operational temperature range * | -25 °C / 200 °C  |
| Peak temperature                | 250 °C           |

Rubber color                      Black

#### Official agreements

Gaz : EN549 – H3E1, EN682 – H80

### FKM FAMILY

#### Very good resistance

Heat  
Mineral oils  
Domestic gas  
Atmospheric agents  
Fuels  
Aromatic and aliphatic agents

#### Good resistance

Chemical substances in general  
Acids

#### Poor resistance

Bases  
Brake fluids

#### Particularities

Limited resistance to cold  
Fairly good mechanical behaviour  
Good impermeability

#### Typical applications

Hard vacuum  
Hydraulic and pneumatic high temperature  
Industrial valves and fittings  
Injection carburation  
Engine seals

\* The temperature range is given as an indication and can be influenced by the environment, the fluids in contact and the operating conditions.

