

# DATA SHEET

## O-Ring 185503

### PART INFORMATION

|                                       |            |
|---------------------------------------|------------|
| Part number                           | 185503     |
| Inside diameter d1                    | 319,30 mm  |
| Cross-section d2                      | 5,70 mm    |
| Size standard                         |            |
| Tolerance range according to          | ISO 3601-1 |
| Rubber family                         | EPDM       |
| Rubber compound                       | EP851      |
| Quality acceptance criteria on aspect | ISO 3601-3 |



### EP851 COMPOUND INFORMATION

#### Original characteristics

|                                 |                  |
|---------------------------------|------------------|
| Hardness Sh A                   | 80               |
| Tensile strength                | 16 MPa           |
| Elongation at break             | 160 %            |
| Compression set                 | 12 % (24h 150°C) |
| TR10                            | -46 °C           |
| Brittle point                   | -55 °C           |
| Operational temperature range * | -50 °C / 140 °C  |
| Peak temperature                | 175 °C           |

|              |       |
|--------------|-------|
| Rubber color | Black |
|--------------|-------|

### EPDM FAMILY

#### Very good resistance

Water, steam and water-based solutions  
Synthetic brake fluids  
Atmospheric agents  
Low temperature

#### Poor resistance

Mineral oils and hydrocarbons

#### Particularities

Fairly good mechanical behaviour

#### Typical applications

Hot and cold water taps  
Drinking water  
SF6 circuit breakers  
Cooling circuit  
Brake circuit  
Heating circuit

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

