

# DATA SHEET

## O-Ring 108502

### PART INFORMATION

|                                       |            |
|---------------------------------------|------------|
| Part number                           | 108502     |
| Inside diameter d1                    | 8,00 mm    |
| Cross-section d2                      | 1,90 mm    |
| Size standard                         | R6A        |
| Tolerance range according to          | ISO 3601-1 |
| Rubber family                         | NBR        |
| Rubber compound                       | PD501      |
| Quality acceptance criteria on aspect | ISO 3601-3 |



### PD501 COMPOUND INFORMATION

#### Original characteristics

|                                 |                  |
|---------------------------------|------------------|
| Hardness Sh A                   | 50               |
| Tensile strength                | 12 MPa           |
| Elongation at break             | 400 %            |
| Compression set                 | 15 % (24h 100°C) |
| TR10                            | -30 °C           |
| Brittle point                   | -40 °C           |
| Operational temperature range * | -30 °C / 100 °C  |
| Peak temperature                | 120 °C           |

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

### NBR FAMILY

#### Good resistance

Mineral oils  
Domestic gas  
Water up to 70 °C  
Fuels  
Aliphatic solvents

#### Poor resistance

Acids  
Atmospheric agents  
Brake fluids

#### Particularities

Good mechanical characteristics

#### Typical applications

Hydraulic & pneumatic  
Valves & fittings water and mineral gas  
Mineral oil & fuel circuits

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

