

# DATA SHEET

## O-Ring 178100

### PART INFORMATION

|                                       |             |
|---------------------------------------|-------------|
| Part number                           | 178100      |
| Inside diameter d1                    | 234,62 mm   |
| Cross-section d2                      | 2,62 mm     |
| Size standard                         | BS176/AS176 |
| Tolerance range according to          | ISO 3601-1  |
| Rubber family                         | NBR         |
| Rubber compound                       | PC851       |
| Quality acceptance criteria on aspect | ISO 3601-3  |



### PC851 COMPOUND INFORMATION

#### Original characteristics

|                                 |                  |
|---------------------------------|------------------|
| Hardness Sh A                   | 80               |
| Tensile strength                | 17 MPa           |
| Elongation at break             | 225 %            |
| Compression set                 | 15 % (24h 100°C) |
| TR10                            | -25 °C           |
| Brittle point                   | -35 °C           |
| Operational temperature range * | -30 °C / 100 °C  |
| Peak temperature                | 120 °C           |

Rubber color                      Black

#### Official agreements

Gaz : EN549 – H3B1

### 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.

