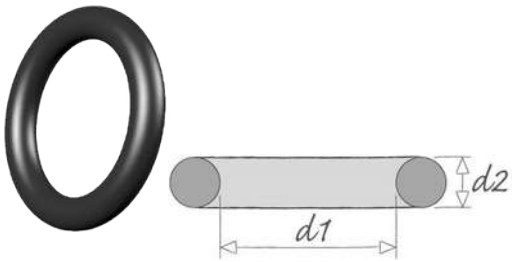
HUTCHINSON®

DATA SHEET
O-Ring 182503

PART INFORMATION

Part number	182503
Inside diameter d1	279,30 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

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

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

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