

## ZEC Thermoplastic hose OL7 non-conductive SAE 100 R7



### NON-CONDUCTIVE OL7 SERIES THERMOPLASTIC HOSE - WATERPROOF COVER

PRESSURE FROM 70 TO 250 BAR  
NOT MICRO PERFORATED

#### Characteristics

**Type:** OL7 NC

**Material of inner wall:** Oil resistant thermoplastic polyester elastomer

**Material of outer wall:** Polyurethane

**Quality cover:** Standard

**Temperature range [°C]:** -54 / 100 °C

**SAE standard:** SAE 100 R7

**ISO standard:** ISO 3949

#### Application

- Hoses of the NON-CONDUCTIVE OL7 Series have been created for medium pressure hydraulic use for applications requiring high electrical isolation. These hoses meet SAE J517 Standard §20.4.1 for less than 50µA leakages under 250.000 V/m.

#### Technical Information

**Working temperature:**

- -54°C to +100°C
- Max. working temperature of water and water-based fluids is +70°C.

#### Construction

**Tube:**

- Thermoplastic polyester

**Reinforcement:**

- Polyester textile

**Cover:**

- Orange antiabrasion polyurethane.
- The water-proof feature of the cover means that the hose is especially suitable for wet and saline environments where extreme temperature changes occur.

#### Execution

- Not micro perforated, UV-stabilized and resistant to ozone, microorganisms and hydrolysis.

#### Approval

**Standards:**

- Hoses meet or exceed SAE J517 sect. SAE 100R7 , ISO 3949 and MSHA Standards and comply with the requirements of the ANSI A92.2 Standard for air traveling platforms.

| Code          | Hose ID (DN) | Hose ID | Outer diameter | Maximum operating pressure | Minimum burst pressure | Minimum bending radius | Outside wall colour | Weight | Article  |
|---------------|--------------|---------|----------------|----------------------------|------------------------|------------------------|---------------------|--------|----------|
|               |              | in      | mm             | bar                        | bar                    | mm                     |                     | kg/m   |          |
| SAE100R7-02   | DN03         | 1/8"    | 8.5            | 230                        | 920                    | 25                     | Orange              | 0.057  | 14079341 |
| SAE100R7-02.5 | DN04         | 5/32"   | 8.9            | 250                        | 1000                   | 25                     | Orange              | 0.058  | 14079342 |
| SAE100R7-03   | DN05         | 3/16"   | 10             | 210                        | 840                    | 30                     | Orange              | 0.073  | 14079343 |
| SAE100R7-04   | DN06         | 1/4"    | 11.8           | 200                        | 800                    | 35                     | Orange              | 0.09   | 14079345 |
| SAE100R7-05   | DN08         | 5/16"   | 14.3           | 190                        | 760                    | 45                     | Orange              | 0.128  | 14079347 |
| SAE100R7-06   | DN10         | 3/8"    | 16             | 175                        | 700                    | 55                     | Orange              | 0.155  | 14079349 |
| SAE100R7-08   | DN12         | 1/2"    | 20.3           | 140                        | 560                    | 75                     | Orange              | 0.219  | 14079351 |
| SAE100R7-10   | DN16         | 5/8"    | 23.5           | 105                        | 420                    | 120                    | Orange              | 0.277  | 14079353 |
| SAE100R7-12   | DN19         | 3/4"    | 26.5           | 90                         | 360                    | 145                    | Orange              | 0.33   | 14079355 |
| SAE100R7-16   | DN25         | 1"      | 33.6           | 70                         | 280                    | 200                    | Orange              | 0.403  | 14079357 |

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