# HDPE Duct 2x25/20 mm



SANBOR HDPE Duct® offers a sustainable and cost-effective alternative without compromising on functionality. Made from a combination of virgin and high-grade recycled HDPE, it is ideal for environmentally conscious projects. The standard ribbed inner surface can also be produced smooth upon request. As our premium product line, duct is the go-to choice when quality and long-term reliability are essential.

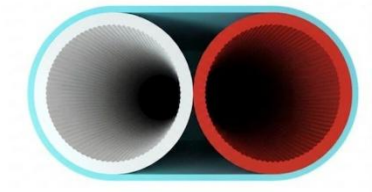
## COLORS

The color requirement is achieved with a colored outer layer and, optionally an extruded wide colored stripe. Tube color options are as follows.




## OPTIONAL

- Ribbed or Smooth Wall
- Custom marking



Sanbor is certified according to the quality management system DIN EN ISO 9001, the environmental management system environmental management system DIN EN ISO 14001 and the occupational health and health and safety management system ISO 45001:2018. The above-mentioned products have been thoroughly tested under the observation and supervision of INTERTEK testing, whereby their compliance with all relevant standards and regulations was standards and regulations and confirming the required quality and safety and safety criteria, as confirmed in the INTERTEK certificates ITK-24-AOC-001 and ITK-24-AOC-002. Sanbor is an approved manufacturer certified by Deutsche Glasfaser.

# Technical Datasheet

| PHYSICAL PROPERTIES | | TEST METHOD |
|---|---|---|
| **Visual Appearance** | It has a ribbed inner surface (with an optional smooth inner layer and a solid, permanent lubricant silicone layer), and a smooth outer surface that is free from blisters, holes, and roughness, and is available in various colors. | |
| **Microduct Size (OD/ID)** | 2 x 25/20 mm | DIN 8074 |
| **Bundle Size (HxW)** | 27 x 52 mm | DIN 8074 |
| **Sheath Wall Thickness (WT)** | min. 0.75 mm | DIN 8074 |
| **Ovality** | max. 3 % on production max. 5 % on drum | EN ISO 3126 |
| **Bending Radius** | 1000 mm | EN 61386-24:2010 method 10.4 |

| PERFORMANCEPROPERTIES | | TEST METHOD |
|---|---|---|
| **Tensile Yield Strength** | min. 18 N/mm² | EN ISO 6259-1 |
| **Elongation at Break** | min. 350% | EN ISO 6259-1 |
| **Crush Resistance** | After 15% deflection, recovery must exceed 95% within 2.5 minutes | EN 61386-24:2010 Method 10.2 |
| **Impact Strength** | 5 kg, 15 J, 10/12 passed | EN 61386-24:2010 Method 10.4 |
| **Direct Burried** | no | |
| **Max. Blowing Pressure** | 15 bar | |

| MATERIAL PROPERTIES | | TEST METHOD |
|---|---|---|
| **Raw Material** | Sanbor HDPE duct products are made from 100% HDPE, offering unmatched strength, consistency, and durability. | |
| **Average Density** | > 0.940 g/cm³ bei 23 °C | ISO 1183 |

| GENERAL PROPERTIES | | TEST METHOD |
|---|---|---|
| **Operation, Transport and Storage** | -40°C to +70°C | |
| **Installation** | -10°C to +50°C | |
| **UV-Resistance** | Up to 2 years | EN 4892-2 |

| PACKAGING | Coil |
|---|---|
| **Dimension** | H: 2300 mm W: 550 mm |
| **Length** | 600 m |
| **Quantity** | 18000 m per truck |
| **Marking Print** | SANBOR – 2x25/20 – HDPE – DD/MM/YYYY - 0000m |

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