sanbor
cable protection systems

Technical Datasheet

HDPE Duct 4x25/20 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.

sanbor
cable protection systems

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)	4 x 25/20 mm	DIN 8074
Bundle Size (HxW)	52 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	300 m
Quantity	9000 m per truck
Marking Print	SANBOR – 4x25/20 – HDPE – DD/MM/YYYY - 0000m

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.