



Chemical Hose UHMWPE



Scope of application

For purposes of suction and pressure conveying of aggressive media, such as acids in higher concentration or hydrocarbons with a benzene percentage of up to 100%. Suitable for emptying tank trucks and tank wagons as well as the equipment of mobile and stationary facilities in the chemical industry

Properties

- Corresponds to all the items of EN 12115
- Versatile use, suitability for most chemicals
- High mechanical strength
- Convenient handling due to high pliability and low bend radii
- Perfectly smooth interior wall, hence cleaning the hose is made simple when using vapor (up to 30 minutes at a maximum at 130°C)
- Behaves excellently towards aging, weather conditions, and ozone influence due to its coexisting abrasion-resistant and corrosion-resistant hose cover
- Electric conductivity $R < 1$ megaohm

Construction








- Inner tube: ultra-high-molecular-weight polyethylene (UHMWPE), black, smooth
- Casing: synthetic textile braid respectively textile cord insertion characterized by high tearing strength with inwrought spirals made of spring steel wire, additionally two crossed copper strands

Temperature range

- -40°C to +100°C



Frauenhof

| Article no. |  |  |  |  |  |  |  | Min. pressure |
|---------------|---|---|---|---|---|---|---|---------------|
| 280463 | 25 mm | 37 mm | 0,9 kg/m | 150 mm | 232 psi | 928 psi | 40 m | -13 psi |
| 280464 | 32 mm | 44 mm | 1,07 kg/m | 175 mm | 232 psi | 928 psi | 40 m | -13 psi |
| | 38 mm | 51 mm | 1,32 kg/m | 225 mm | 232 psi | 928 psi | 40 m | -13 psi |
| 280465 | 50 mm | 66 mm | 1,85 kg/m | 275 mm | 232 psi | 928 psi | 40 m | -13 psi |
| 280466 | 75 mm | 91 mm | 3,23 kg/m | 350 mm | 232 psi | 928 psi | 40 m | -13 psi |
| 280467 | 100 mm | 116 mm | 4,89 kg/m | 500 mm | 174 psi | 696 psi | 40 m | -13 psi |