



Chemiflex® Composite Hose Type 416



Applications

This type is recommended for use as a tank truck, railcar and in-plant multi chemical transfer applications where the economy and maximum chemical resistance of a polypropylene coated inner wire is required. A stainless steel outer wire is available for applications which include a corrosive environment.

Technical description

Lining: Polypropylene
 Inner wire: Polypropylene coated steel
 Outer wire: PGP416 Galvanized steel
 PSP416 Stainless Steel 304 or 316
 Cover: PVC coated Nylon, Abrasion, UV and ozone resistant, black temperature
 Range: -30°C to + 80C (-22°F to + 176°F)
 Electrical properties: Electrically Conductive standard: EN13765:2010, Type 2
 Complies with: IMO IBC Code
 Approval: ClassNK Certificate N0. TA11773E(AL)

Physical properties

Maximum elongation : 10% on test
 pressure Vacuum range : 0,9 bar

End fittings

Specially designed end fittings have been developed for use with Amnitec composite hoses, including threaded ends, flanged ends and other connections. By means of a hydraulic operated press, a ferrule is externally swaged onto the hose to secure the hose shank and guarantee a leak proof connection between hose and fitting. All ferrules are welded to the end fitting before swaging for even safer operating conditions.

| TECHNICAL DATA: TYPE PGP416, PSP416 | | | | | | | | | |
|-------------------------------------|-----|------------------|-----|------------------|-----|---------------|------|----------------|--------|
| Inside Diameter | | Working Pressure | | Min. Bend Radius | | Approx Weight | | Maximum Length | |
| Inches | mm | PSI | Bar | Inches | mm | lb/ft | kg/m | Feet | Meters |
| 1 | 25 | 150 | 10 | 4 | 100 | 0.65 | 1.10 | 65 | 20 |
| 1½ | 40 | 150 | 10 | 5¼ | 130 | 0.85 | 1.25 | 65 | 20 |
| 2 | 50 | 150 | 10 | 6½ | 165 | 1.20 | 1.80 | 65 | 20 |
| 2½ | 65 | 150 | 10 | 7½ | 185 | 1.70 | 2.50 | 65 | 20 |
| 3 | 80 | 150 | 10 | 9½ | 240 | 2.00 | 3.00 | 65 | 20 |
| 4 | 100 | 150 | 10 | 14½ | 360 | 3.00 | 4.50 | 65 | 20 |

Pressure based on safety factor 5:1

All information in this document is without any obligation, dimensions and weight are approximate only and the specifications are subject to change without any notice.

