Chemiflex® Composite Hose Type 436

Applications

This type is recommended for multi chemical transfer service in heavy duty marine operations where economy and maximum chemical resistance of a polypropylene coated inner wire is desired. It is suitable for use as a dock, barge, and ship transfer hose and is available with a stainless steel outer wire for applications which include a corrosive environment.

Technical description

Lining: Polypropylene
Inner wire: Polypropylene Coated Steel
Outer wire: PGP436 Galvanized Steel
                           PSP436 Stainless Steel 304 or 316
Cover: PVC coated Nylon, Abrasion, UV and ozone resistant, black temperature
Range: -30°C to + 80°C (-22°F to + 176°F)
Electrical properties: Electrically conductive Standard*: EN13765:2010, Type 3
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 PGP436/ PSP436									
Inside Diameter		Working Pressure		Min. Bend Radius		Approx Weight		Maximum Length	
Inches	mm	PSI	Bar	Inches	mm	lb/ft	kg/m	Feet	Meters
3	80	200	14	11	280	2.50	3.70	65	20
4	100	200	14	16	400	4.40	6.50	65	20
5	125	200	14	18	460	5.80	8.60	65	20
6	150	200	14	20	500	7.00	10.50	79	24
8	200	200	14	29	740	12.00	18.00	65	20
10	250	150	10	36	920	15.00	23.00	50	15

* 10"=Type 2
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.