

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 + 80°C (-22°F to + 176°F)
Electrical properties	: Electrically conductive
Standard	: EN13765:2018, Type 2
Complies with	: IMO IBC code
Approval	: ClassNK Certificate N0. TA21511E(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 Amniflex 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		Max. length	
inches	mm	psi	Bar	inches	mm	lbs/ft	kg/m	ft.	m
1	25	150	10	4	100	0,65	1,10	65	20
1 ½	40	150	10	5 ¼	130	0,85	1,25	65	20
2	50	150	10	6 ½	165	1,20	1,80	65	20
2 ½	65	150	10	7 ½	185	1,70	2,50	65	20
3	80	150	10	9 ½	240	2,00	3,00	65	20
4	100	150	10	14 ½	360	3,00	4,50	65	20

Safety factor acc. EN 13765:2018

All information in this document is without any obligation, specifications subject to change without any notice.

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