ivg colbachini spa

CHEM

Teflex

Рукав для химической продукции, растворителей, с внутренним слоем из FEP

Применение:
напорно-всасывающий гладкий рукав с внутренним слоем из фторполимера FEP (тефлон), предназначен для подачи широкого ряда химических продуктов согласно таблице химической стойкости IVG. Способ обработки: стерилизация при температуре до +150°C согласно стандарту CIP.

отличная термичноть
пригоден для большинства химических веществ
внутренний слой из FEP

Нормативно-правовые акты:
EN 12115:2021. Не содержит фталатов (REACHReg.). Внутренний слой USP класс VI. FDA tit. 21 it. 177.1550 для пищевых.

EN 12115 | PHTHALATES FREE | USP CLASS VI | FDA

Внутренний слой:
из светлого пищевого тефлона FEP, особо гладкий и теплостойкий. Хим. стойкость согласно соотв. таблице IVG. Если температура подаваемого материала выше 50°C - просим проконсультироваться с IVG.

Усиление:
высокопрочный синтетический корд, встроенная стальная спираль и антистатическая медная стренга.

Покрытие:
оранжевое, гладкое из синтетич. каучука EPDM (бандаж), устойчивое к хим. продуктам, атмосф. воздействиям, озону.

Температура:
от -40°C до +150°C, в зависимости от жидкости.

Электрическое сопротивление:
типа M.

Маркировка:
сине/бело/зелёная маркировочная лента “IVG Chem... ”. Тиснение в соответствии с EN 12115.

Teflex

Код	Внутренний диаметр		Внешний диаметр		Рабочее давление		Разрывное давление		Номинальный вес		Раздиус изгиба		Вакуум	Максимальная длина	
	mm	inch	mm	inch	bar	psi	bar	psi	kg/m	lbs/ft	mm	inch	bar	m	ft
1457080	19	3/4	31,5	1,24	16	240	64	960	0,7	0,47	90	3,5	0,9	40	131
1441426	25	1	37,5	1,48	16	240	64	960	0,97	0,65	120	4,7	0,9	40	131
1452924	32	1-1/4	45	1,77	16	240	64	960	1,19	0,80	150	5,9	0,9	40	131
1440195	38	1-1/2	51,5	2,03	16	240	64	960	1,39	0,96	180	7,1	0,9	40	131
1443534	51	2	65,5	2,58	16	240	64	960	2,04	1,37	250	9,9	0,9	40	131
1486535	63,5	2-1/2	78,5	3,09	16	240	64	960	2,59	1,73	320	12,6	0,9	40	131
1499084	76	3	91	3,58	16	240	64	960	3,16	2,12	400	15,7	0,9	40	131

Рекомендуемые соединения:

Camlock

Clamp

Thread coupling EN 14420-5 (DIN 2817)

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SPECIAL DETAILS

SAFETY INSTRUCTIONS FOR HOSES INTENDED FOR CHEMICAL APPLICATIONS

INTRODUCTION

The chemical resistance of a hose is closely related to the medium conveyed and to the conditions of use. In particular, remember to check the chemical resistance of the elastomer that constitutes the inner tube in the table found on the IVG website (https://www.ivgspa.it/en/chemical-resistance.aspx).
The useful life of the product is seriously influenced by the conditions of use such as temperature and pressure, as well as delivery speed, abrasion, frequency, and duration of use. The age of the hose and the degree of impurities of the transported chemical product are also determining factors.

USE

Particular care must be taken to ensure that the cover and ends of the hose don't come into contact with the chemicals and/or elements that may damage the integrity of the hose.
All operators involved in the use and maintenance of the hose and its fittings must be adequately trained on the proper use of chemicals. They must also wear appropriate protective clothing and devices.
A system failure could cause the release of toxic, corrosive and/or flammable material.
If you use chemical products or mixtures that differ from what is listed in the IVG chemical resistance chart please contact IVG before use. You are also advised to contact IVG if the nature or composition of the product to be conveyed, for example concentration or temperature, do not correspond to indications given by IVG. www.ivgspa.it/it/resistenze-chimiche.aspx

FITTINGS

We recommend using fittings in materials suitable for the conveyed product. Pay particular attention to the combination between different materials if their contact can produce galvanic corrosion (e.g. aluminum - brass). Any small variation in concentration or temperature of the conveyed product can determine an important reduction of the mechanical characteristics of the metallic fitting. In case of doubts about the choice of the appropriate fitting please contact IVG Colbachini (https://www.ivgspa.it/en/contacts.aspx).

INSPECTION AND MAINTENANCE

Even if the use of the product complies with all the prescriptions reported in this document and in the attached sheets, all the materials used for the hose production suffer a natural aging with subsequent loss of the chemical-physical-mechanical characteristics. Hoses and fittings must be carefully inspected preferably before each use and in any case with a periodic frequency not exceeding 6-12 months. This will help prevent possible leakage of polluting substances, dangerous for the health of man and the environment.
It is important during these periodic checks to pay attention to the state of the hose and fittings. Any anomalies that are detected indicate a degraded state of the hose and determine its removal from service.

Main anomalies detectable on hoses:

- cracks, cuts, abrasions, detachments, tears of the cover with damaged or uncovered areas of reinforcement
- deformations, bubbles, specific swelling under pressure
- sticky or soft areas
- leaks

Main anomalies detectable on fittings:

- cracks or signs of corrosion on the metal parts
- worn gaskets
- sliding of the fitting on the hose
- leaks

Avoid stagnation of products in the hose, especially in the case of solutions or emulsions. The resulting decanting causes concentrations to exceed the allowed limits. To avoid this phenomenon, proceed with emptying and cleaning after each use where possible.

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SPECIAL DETAILS

SAFETY INFORMATION – USER RESPONSIBILITIES

The service life of rubber hoses mainly depends on the dedicated use. Equipment and systems where the hose is installed must be designed safely. Since our hose can be designed for different applications, **IVG Colbachini** cannot guarantee the proper functioning of the product for all situations.

The analysis of the technical aspects related to specific uses must be performed by the users when choosing the product that meets their requirements. So, in relation to the variety of operating conditions and applications of the IVG hose, the user is solely responsible for the final choice of the product deemed suitable to satisfy the performance and safety requirements called for the application.

The information and technical data shown in the product data sheets must be examined by users with appropriate technical skills.
IVG Colbachini is not responsible for other uses, identified by the end user, that are different from the one shown in its catalogues, product sheets, offers, order confirmations and any recommendations attached.

An inappropriate choice of the product or a failure to follow the procedures of installation, use, maintenance and storage of the hoses may lead to a hose break and cause material damage and/or serious injury to people.

For the selection and proper use of the IVG products you can also refer to the document "Recommendations for selection, storage, use and maintenance of rubber hoses" provided by Assogomma and available on www.ivgspa.it. These recommendations are according to the international standard ISO 8331, "Plastic and rubber hoses and hose assemblies - Guidelines for selection, storage, use and maintenance."

For safety reasons, never exceed the working pressure indicated in the product data sheet.

For specific applications of rubber hoses, please refer to the legal requirements or specific standards; moreover, additional recommendations for particularly critical applications are available.
For further information, contact the Marketing department (marketing@ivgspa.it).