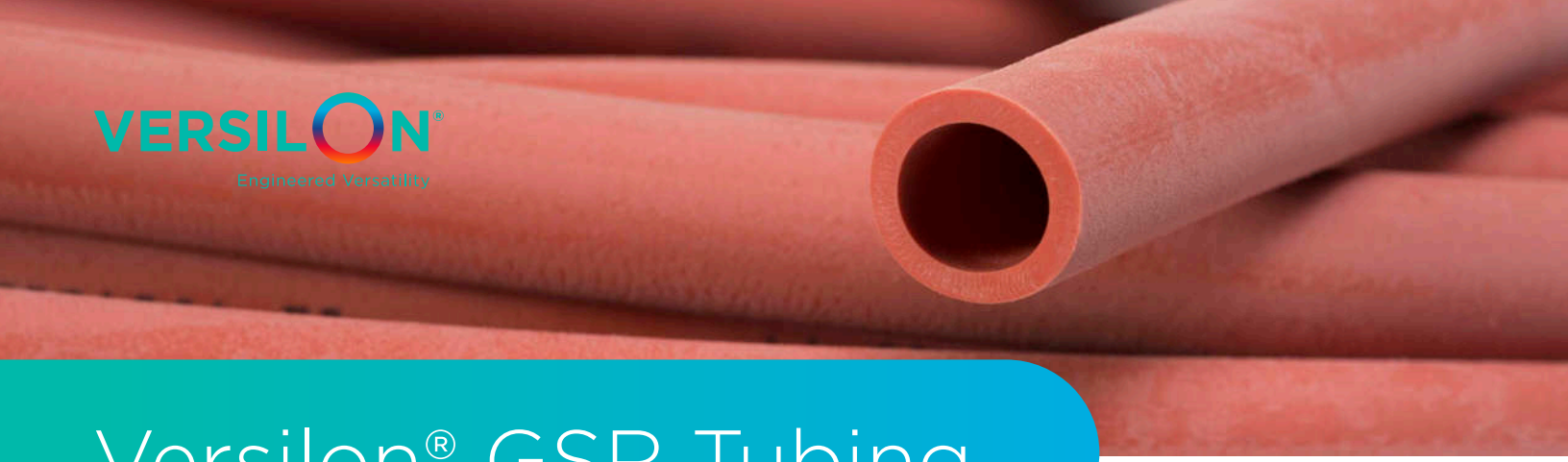


Versilon® GSR Tubing



FLEXIBLE AND CHEMICAL RESISTANT RED RUBBER TUBING

Description

Versilon® GSR tubing is made of 45 shore A natural rubber and is easy to install because of its good elasticity and flexibility. It is light, supple and wear-resistant with good impermeability. As it provides good chemical resistance to acids and bases, Versilon® GSR tubing is ideal for handling liquids in general industry. Heavy wall sizes are available for semi-vacuum and vacuum applications.

Tube en Caoutchouc Rouge Souple à Bonne Résistance Chimique

Fabriqué en caoutchouc naturel, le tube en caoutchouc rouge GSR Versilon® 45 shore offre une souplesse et une élasticité excellentes qui le rendent facile à installer. Il est léger, résistant à l'usure et présente une bonne imperméabilité. Sa bonne résistance chimique aux acides et aux bases en fait un tube idéal pour le transfert de liquides dans les applications industrielles. Différentes dimensions de paroi épaisse sont disponibles pour les applications sous semi-vide et sous vide.

Flexible und Chemikalienbeständige Rote Gummischlauchleitungen

Versilon® GSR-Schlauchleitungen aus rotem Kautschuk bestehen aus Naturkautschuk mit Härtegrad 45 Shore A und können dank ihrer großen Elastizität und Flexibilität leicht verlegt werden. Die Schlauchleitungen sind leicht, geschmeidig und verschleißfest und weisen gute Undurchlässigkeitseigenschaften auf. Da sie chemikalien-, säure- und basenresistent sind, eignen sich Versilon® GSR-Schlauchleitungen aus rotem Kautschuk ideal für allgemeine Industrieanwendungen. Für Halbvakuum- und Vakuum-Anwendungen sind dickwandige Ausführungen erhältlich.

Features and Benefits

- Very good elasticity and flexibility
- Good resistance to abrasion

Caractéristiques et Avantages

- Très bonne élasticité et flexibilité
- Bonne résistance à l'abrasion

Eigenschaften und Vorteile

- Ausgezeichnete Elastizität und Biegsamkeit
- Gute Verschleißfestigkeit

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Versilon® GSR Tubing

Versilon® GSR Tubing

Part Number	I.D./D.I. (mm)	O.D./ D.E./ A.D. (mm)	Wall Thickness/ EP/Wand (mm)	Min. Bend Radius/ Rayon de courbure/ Mindestbiegeradius (mm)
710047	1.0	3.0	1.0	3
710050	2.0	4.0	1.0	6
710054	3.0	5.0	1.0	12
710056	3.0	6.0	1.5	13
710058	4.0	6.0	1.0	12
710060	4.0	7.0	1.5	12
710070	5.0	8.0	1.5	20
710078	6.0	9.0	1.5	33
710082	6.0	10.0	2.0	18
710095	7.0	10.0	1.5	33
710098	7.0	11.0	2.0	37
710107	8.0	12.0	2.0	32
710115	9.0	13.0	2.0	58
710117	10.0	14.0	2.0	46
710127	12.0	17.0	2.5	63
710128	12.0	18.0	3.0	42
710140	16.0	22.0	3.0	90

Typical Physical Properties/Propriétés physiques/ Typische physikalische Eigenschaften

Property	ASTM Method	Value/ Valeur/Wert
Durometer Hardness/Dureté/Härte (Shore A), 15 Sec	D2240	45
Tensile Strength/Résistance à la rupture/ Maximale Dehnung, psi (MPa)	D412	1305 (9.0)
Ultimate Elongation/Allongement à la rupture/ Maximale Dehnung (0%)	D412	400
Tear Resistance/Résistance au déchirement/ Reißfestigkeit, lb-f/in. (kN/m)	D1004	80 (14.0)
Specific Gravity/Densité/ Dichte	D792	1.13
Water Absorption/Absorption d'eau/ Wasserabsorption, % at 73°F (23°C) for 24 hrs.	D570	0.28
Compression Set Constant Deflection/ Déformation rémanente à la compression/ Druchverformungstest Konstante Durchbiegung, % at 158°F (70°C) for 22 hrs.	D395 Method B	28
Brittleness Temp./Température de fragilisation/ Versprödungtemperatur, °F (°C)	D764	-40 (-40)
Maximum Recommended Operating Temp./Température de service maximale recommandée/Empfohlene maximale Betriebstemperatur, °F (°C)	—	158 (70)
Tensile Set/Seuil d'élasticité/Streckgrenze, %	D412	23
Color/Couleur/Farbe	—	red/ rouge/rot

Unless otherwise noted, all tests were conducted at room temperature 73°F (23°C). Values shown were determined on 0.075" (6,35 mm) thick extruded strip, 0.075" (6,35 mm) thick molded ASTM plaques or molded ASTM durometer buttons.

The values listed for working and burst pressures are derived from tests conducted under controlled laboratory conditions. Many factors will reduce the tubing's ability to withstand pressure, including temperature, chemical attack, stress, pulsation and the attachment to fittings. It is imperative that the user conduct tests simulating the conditions of the application prior to specifying the tubing for use.

Tubing for Suction and Semi-Vacuum/ Tube Pour Aspiration et Demi-Vide/ Schlauch Zum Ansaugen und für Halbvakuum

Part Number	I.D./D.I. (mm)	O.D./ D.E./A.D. (mm)	Wall Thickness/ EP/Wand (mm)	Min. Bend Radius/ Rayon de courbure/ Mindestbiegeradius (mm)
710084	6.0	12.0	3.0	16
710089	6.0	16.0	5.0	19
710109	8.0	14.0	3.0	25
710110	8.0	18.0	5.0	15
710120	10.0	20.0	5.0	21
710130	12.0	24.0	6.0	23
710135	15.0	30.0	7.5	36

Tubing for Vacuum/Tube pour Vide/Vakuum-schlauch

Part Number	I.D./D.I. (mm)	O.D./ D.E./A.D. (mm)	Wall Thickness/ EP/Wand (mm)	Min. Bend Radius/ Rayon de courbure/ Mindestbiegeradius (mm)
710074	5.0	15.0	5.0	7
710091	6.0	18.0	6.0	9
710114	8.0	20.0	6.0	12
710123	10.0	30.0	10.0	18
710139	15.0	35.0	10.0	28
710151	20.0	45.0	12.5	63

Sterilization Method/Procédés de Stérilisation/ Sterilisationsverfahrencs

Autoclavable/ Autoklavierbar[1]	Gas/Gaz[2]	Radiation/ Irradiation/ Bestrahlug[3]
yes/oui/Ja	yes/oui/Ja	no/non/Nein

1 Steam 30 minutes at 1 bar (141°C)/Vapeur 30 minutes à 1 bar (141°C)/30 Minuten Dampf mit einem Druck von 1 Bar (141°C)

2 Ethylene oxide/Oxyde d'éthylène/Ethylenoxid

3 Radiation up to 2.5 MRad/Irradiation jusqu'à 2.5 MRAD/Bestrahlung bis zu 2.5 MRad

www.ics.saint-gobain.com

Saint-Gobain
5 Rue du Dauphiné
Zone Industrielle de Chesnes
BP712 Saint-Quentin-Fallavier Cedex, France 38297

NOTE: The data and details given in this document are correct and up to date. This document is intended to provide information about the product and possible applications. This document is not the product specification and does not provide specific features, nor does it guarantee product performance in specific applications. Saint-Gobain cannot anticipate or control the conditions of the field and for this reason strongly recommends that practical tests are conducted to ensure that the product meets the requirements of a specific application.

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