



高温脱模剂 Release Agent SI-RA260US

产地: 美国
规范: 暂无收录

描述 Description

该脱模剂是烷烃溶剂型半永久型脱模剂。该脱模剂的特殊优势是带粘性，可以无需使用纤维定型剂而直接使干纤维完美铺覆。并且后期无需进烘箱加热。用于乙烯基树脂，环氧树脂和其他热固性树脂，具有高光泽度，非氯化，环保的溶剂。适用于所有材质的模具表面。适用温度可达 260° C。

The release agent is solvent based.

It is suitable to epoxy, vinylite and other thermoset resins, high gloss, Non chlorinated, environmentally friendly solvents. It is normally suitable to all material mold surface. The release agent could be used at temperature 260° C.

使用说明 User guide

- 1.将 SI-RA260US 倒在干净的棉布上。
- 2.轻轻擦拭覆盖约 0.5 平方米面积的模具表面。不需要太用力摩擦或抛光。
- 3.在相邻区域重复步骤 1 和步骤 2，确保与以前涂过的区域良好重叠保证完整的覆盖。
- 4.重复直到模具完全涂层完。

再次使用:

当脱模变得不畅时，以与上述相同的方式重新涂覆一层 SI-RA260US。

1. Pour SI-RA260US on clean cotton cloth.
2. Gently wipe the surface of the mold covering about 0.5 square meters in area. No friction or polishing is required.
3. Repeat steps 1 and 2 in adjacent areas to ensure good overlap with previously painted areas, ensuring complete coverage.
4. Repeat until the mold is fully coated.

Reuse:

When the mold release becomes impeded, apply a layer of SI-CHEM-Release1 in the same manner as described above.

技术参数 Technical Data

		测试标准 Test Method
材质类型 Material Type	烷烃溶剂基 Solvent Based	
颜色 Color	蓝色 Blue	
密度 Density	0.81g/cm ³	ASTM D 792
最高使用温度 Maximum using Temp.	260°C	

NOTES:

(1) 以上数据为典型值，非工艺规范参数。

(1) The above data is nominal data and is referenced for process specific. Customer shall determine the specific themselves.

标准尺寸 Size

数量 Quantity	单位 Unit	容量 Capacity	重量 Weight
1	桶	1 加仑 (3.785L)	4kg
1	箱	1L×6	0.4kg×6

NOTES:

(1) 包装容量可按需定制。

(1) Other capacity could be available on special request.

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高温真空袋 Vacuum Bagging Film SI-VB-200CN

产地: 中国
规范: YPS

描述 Description

该真空袋是航空工业专用袋膜。
一种透明色的尼龙 6 热稳定化处理的流延薄膜，具有良好的化学、机械性能。
该真空袋有三个系列，可耐温 200° C/220° C/230° C，高强度，气密性佳。用于高性能复合材料袋压成型。适合环氧、双马树脂体系等。

The vacuum bagging film is developed especially for the Aerospace Industry.
A piece of cast Nylon-film PA6 heatstabilized transparent film with excellent chemical and mechanical properties.

The film could be used at temperature 200° C, high strength, perfect sealing. It could be applied on Advanced composites manufacturing process. It is available for Epoxy and BMI.

技术参数 Technical Data

		测试标准 Test Method
材质类型 Material Type	PA6	
颜色 Color	淡蓝 Blue/淡黄/淡红	
密度 Density(g/cm3)	1.09-1.12	ASTM D 792
纵向拉伸强度 (MPa)	> 50/60/80	
纵向撕裂强度 (N/cm)	> 120	
断裂延伸率 Elongation at break	300%	ASTM D 638
最高使用温度 Maximum using Temp.	200 /220/230°C	
熔点 Melting point	220/240/255°C	

NOTES:

- (1) 以上数据为典型值，非工艺规范参数。
(1) The above data is nominal data and is referenced for process specific. Customer shall determine the specific themselves.

标准尺寸 Size

厚度 Thickness	幅宽 Width	卷长 Length	重量 Weight
60um	1800mm	300m	

NOTES:

- (1) 膜材厚度、幅宽可定制，范围：厚度 50-100um，幅宽 500-2000mm。订制货品需要满足最小起订量。
(1) Film thickness and width could be tailored, range: thickness:50-100um, width 500-2000mm. Tailored products should satisfy the MPQ.
(2) 膜材宽度公差 ±1mm，厚度公差 ±5%。卷心直径 152mm。
(2) Film width tolerance ±1mm, thickness tolerance ±5%. Roll core diameter 152mm.

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高温隔离膜 Release Film SI-RF-230(P)

产地: 德国

规范: 空客 AMS-80-T-31-2910, AIP1-03-02-018, AIP1-03-02-019
AIP1-03-02-022

波音 BAC open

➤ 描述 Description

该隔离膜是 ETFE 材质, 采用挤塑流延法制作。

一种高韧性的薄膜, 高温稳定性好, 具有良好的化学、机械性能。出色的抗粘性、脱模性能。

该隔离膜可耐温 232° C, 高强度。用于高性能复合材料袋压成型。适合所有树脂体系。

The release film is cast ETFE film.

It has high elongation and excellent mechanical stability at high temperatures. It has excellent chemical and mechanical properties, antiadhesivity and release behavior.

The film could be used at temperature 232° C, high strength. It could be applied on Advanced composites manufacturing process. It is available for all resins.

➤ 技术参数 Technical Data

		测试标准 Test Method
材质类型 Material Type	ETFE	
颜色 Color	蓝色 Blue	
断裂延伸率 Elongation at break	300%	ISO 527
拉伸强度 Tensile Strength	>40MPa	ISO 527
最高使用温度 Maximum using Temp.	232°C	
熔融点 Melting Point(°C)	265	ASTM D 4591

NOTES:

(1) 以上数据为典型值, 非工艺规范参数。

(1) The above data is nominal data and is referenced for process specific. Customer shall determine the specific themselves.

➤ 标准尺寸 Size

厚度 Thickness	幅宽 Width	卷长 Length	重量 Weight
20um	1550mm	300m	18.5kg
25um	1550mm	300m	20kg
50um	1550mm	300m	40kg

NOTES:

(1) 膜材厚度、幅宽可定制, 范围: 厚度 50-100um, 幅宽 800-2200mm。订制货品需要满足最小起订量。

(1) Film thickness and width could be tailored, range: thickness: 50-100um, width 800-2200mm. Tailored products should satisfy the MPQ.

(2) 开孔类型 HN400, 孔直径 0.7mm, 孔间距 5mm。

(2) Film hole type: HN400, holediameter 0.7mm, distance 5mm.

(3) 膜材可进行处理, 单面可粘或双面可粘。

(4) Film is available treated one side(B.O.S) or two sides (B.B.S).

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高温隔离膜 Release Film SI-RF-260(P)CN

产地: 中国

规范: YPS

描述 Description

该隔离膜是 FEP 材质, 采用吹膜法制作。

一种耐高温的薄膜, 具有良好的化学、机械性能。出色的抗粘性、脱模性能。

该隔离膜可耐温 260° C, 高强度。用于高性能复合材料袋压成型。适合所有树脂体系。

The release film is cast FEP film.

It has excellent mechanical stability at high temperatures. It has excellent chemical and mechanical properties, antiadhesivity and release behavior.

The film could be used at temperature 232° C, high strength. It could be applied on Advanced composites manufacturing process. It is available for all resins.

技术参数 Technical Data

		测试标准 Test Method
材质类型 Material Type	FEP	
颜色 Color	红色 Red	
断裂延伸率 Elongation at break	300%	ASTM D 882
拉伸强度 Tensile Strength	3500psi	ASTM D 882
最高使用温度 Maximum using Temp.	260°C	
熔融点 Melting Point(°C)	260	ASTM D 3418

NOTES:

(1) 以上数据为典型值, 非工艺规范参数。

(1) The above data is nominal data and is referenced for process specific. Customer shall determine the specific themselves.

标准尺寸 Size

厚度 Thickness	幅宽 Width	卷长 Length	重量 Weight
25um	1524mm	300m	20kg
50um	1524mm	300m	40kg

NOTES:

(1) 膜材厚度、幅宽可定制, 范围: 厚度 12-250um, 幅宽 800-1575mm。订制货品需要满足最小起订量。

(1) Film thickness and width could be tailored, range: thickness: 12-250um, width 800-1575mm. Tailored products should satisfy the MPQ.

(2) 开孔类型 P1&P3.

(2) Film hole type:P1&P3.

(3) 膜材可进行处理, 单面可粘或双面可粘。

(4) Film is available treated one side(B.O.S) or two sides (B.B.S).

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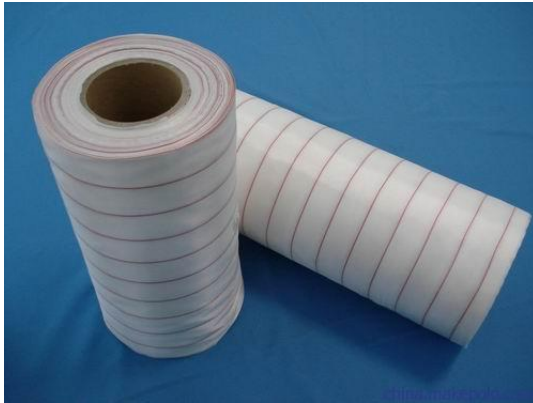
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高温可剥布 Peel Ply SI-PP-200CN

产地: 中国
规范: 暂无

描述 Description

该可剥布是尼龙机织物。
一种非涂层的热稳定化处理的织物。可剥布可为复材产品提供无污染的表面，布面纹理可以使产品进行二次胶接或者喷涂。织造纤维撕裂强度高，不易残留。
该可剥布可耐温 200° C，适合所有树脂体系。

The peel ply is a woven fabric from polyester fibers.
A piece of non-coated but scoured and heat-set fabric. Peel ply offers a surface free of contamination. The unique construction offers an ideal surface for secondary bonding or painting. The highest quality lap shears and peel strengths are achieved with this Fabric. The peel ply could be used at temperature 200° C, high tear strength, no residual. It could be applied on Advanced composites manufacturing process. It is available for all resins.

技术参数 Technical Data

		测试标准 Test Method
材质类型 Material Type	聚酯纤维 Polyester	
颜色 Color	白色 White	
密度 Density(g/cm3)	85±5	ASTM D 792
织造 Construction	经纱 Warp: 472.44±8ends/cm 纬纱 Weft: 251.97±8ends/cm	
最高使用温度 Maximum using Temp.	200°C	
厚度 Thickness	0.10-0.15mm	

NOTES:

- (1) 以上数据为典型值，非工艺规范参数。
(1) The above data is nominal data and is referenced for process specific. Customer shall determine the specific themselves.

标准尺寸 Size

厚度 Thickness	幅宽 Width	卷长 Length	重量 Weight
-	1520mm	200m	

NOTES:

- (1) 该可剥布可用于二次胶接。
(1) This peel ply could be used for secondary bonding process..

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高温不带胶脱模布（吸胶布）

Non-Adhesive Mold Release Fabric SI-MRF-NAD260CN

产地：中国

规范：暂无

描述 Description

该脱模布是 PTFE 浸渍玻纤织物（旧称四氟布，特氟龙布），分为透气透胶和不透胶两款。

一种高质量的非粘性脱模布。四氟布本身低摩擦系数，绝缘，尺寸稳定性高，耐高温性能好。透气透胶款通常用于产品表面铺覆，允许多余树脂、气泡和卷裹空气的散出；透气不透胶款将会封闭所有树脂。另外，可做成窄条，用于预浸料局部。

该脱模布可耐温 260° C，适合所有树脂体系。

The release fabric is a TFE impregnated fiberglass, divided into two types- porous and Non-porous release fabric.

It offers optimum qualities of release, low friction, electrical insulation, dimensional stability and temperature resistance. The primary design of porous release fabric is to allow excess resin, volatiles and trapped air to escape into breather during cure while non-porous products will retain resin inside. Other applications are flash control, and any other prepreg optional surface applications.

The release fabric could be used at temperature 260° C. It is available for all resins.

技术参数 Technical Data

		测试标准 Test Method
材质类型 Material Type	PTFE/玻纤/硅胶	
颜色 Color	茶色 Brown	
最高使用温度 Maximum using Temp.	260°C	
厚度 Thickness	0.10±0.005 mm	
透气透胶 PTFE 浸渍比例 Porous Coating Percent	30%±2%	
不透胶 PTFE 浸渍比例 Nonporous Coating Percent	74%±2%	
基布面密度 Base cloth weight	105±5% g/sq.m	
产品克重 Density	155±5g/sq.m	
拉伸强度 Tensile Strength	Min 1300N/50mm warp	BS3424 Part4 Method6
撕裂强度 Tear Strength	Min 5-20N	BS7304 Part4

NOTES:

(1) 以上数据为典型值，非工艺规范参数。

(1) The above data is nominal data and is referenced for process specific. Customer shall determine the specific themselves.

标准尺寸 Size

厚度 Thickness	幅宽 Width	卷长 Length	重量 Weight
0.1mm	1m	200m	32kg
0.1mm	1.25m	200m	40kg

NOTES:

(1) 尺寸可按需定制。

(1) Sizes are available on request...

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高温带胶脱模布 Adhesive Mold Release Fabric SI-MRF-AD260CN

产地: 中国
规范: 暂无收录

描述 Description

该脱模布是 PTFE 浸渍玻璃纤维物（旧称四氟布，特氟龙布），背面覆以硅胶。一种高质量的粘性脱模四氟布。四氟布本身低摩擦系数，绝缘，尺寸稳定性高，耐高温性能好。它通常用于模具表面和芯模铺覆。另外，可做成窄条，用于固定。该脱模布可耐高温 260° C，适合所有树脂体系。

The release fabric is a TFE impregnated fiberglass, manufactured from premium backing materials combined with high-quality, fully cured silicone adhesives. It offers optimum qualities of release, low friction, electrical insulation, dimensional stability and temperature resistance. The primary design of release fabric is to stick to tool surfaces, to provide multiple releases and to cushion on all types of tooling surfaces. Other applications are flash control, heat sealing machines, covering of coating and drying rolls, chute lining, linings for guide rails and any other non-stick low friction applications. It is an excellent release on mandrels.

The release fabric could be used at temperature 260° C. It is available for all resins.

技术参数 Technical Data

		测试标准 Test Method
材质类型 Material Type	PTFE/玻纤/硅胶	
颜色 Color	黄铜色 Brown	
最高使用温度 Maximum using Temp.	260°C	
总厚度 Thickness	0.13mm	
胶层厚度 Adhesion Thickness	0.050mm	
抗拉强度 Tensile Strength	300±5 N/25mm	
剥离粘合力 Tear Strength	8.2 N/25mm	
胶层克重 Adhesion weight	70g/sq.m	
绝缘破坏电压 Destroy Electric	1.1-1.4 KV	

NOTES:

- (1) 以上数据为典型值，非工艺规范参数。
(1) The above data is nominal data and is referenced for process specific. Customer shall determine the specific themselves.

标准尺寸 Size

厚度 Thickness	幅宽 Width	卷长 Length	重量 Weight
-	1200mm	15m	
-	1200mm	30m	

NOTES:

- (1) 胶层和尺寸可按需定制。
(1) Other adhesives and sizes are available on request...

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高温密封胶条 Sealant Tape SI-ST-210YCN

产地: 中国
规范: 暂无

描述 Description

该密封胶条是经济型胶条。

一种丁基橡胶材质，添加补强剂及增粘剂，适用于对尼龙真空袋的密封。常温下使用可在金属表面具有良好粘附力，固化完成后可以轻松从模具上去除。

该胶条可耐温 210° C。用于高性能复合材料成型。适合所有树脂体系。

The sealant tape is an economic tape for application.

A tacky rubber-based sealant with excellent cohesive and adhesive properties. It was developed as a universal sealant for sealing all films, especially nylon to the mold. This tape performs good adhesive at room temperature, it is also easily removed from mold after a cure cycle.

The tape could be used at temperature 210° C. It could be applied on Advanced composites manufacturing process. It is available for all resins.

技术参数 Technical Data

		测试标准 Test Method
材质类型 Material Type	丁基橡胶 NBR rubber	
颜色 Color	黄色 Yellow	
密度 Density	≤1.4g/cm ³	
厚度 Thickness	3mm	ASTM D 792
最高使用温度 Maximum using Temp.	210°C	4h process test
剥离强度 Tear Strength	≤1.5kg/M	4h process test

NOTES:

(1) 以上数据为典型值，非工艺规范参数。

(1) The above data is nominal data and is referenced for process specific. Customer shall determine the specific themselves.

标准尺寸 Size

厚度 Thickness	宽度 Width	卷长 Length	重量 Weight	包装 Pack
3mm	12mm	7.5m	0.48kg	1 箱 40 卷

NOTES:

(1) 储存期为 1 年 (从发货日起算)。

(1) 1 year from date of shipment when stored at 22°C.

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高温透气毡 Breather&Bleeder SI-BR-330CN

产地: 中国
规范: 暂无

描述 Description

该透气毡材质是聚酯纤维毡。
一种具有延展性的聚酯纤维，具有比其他透气材料更高的密度，可以允许零件在高压下仍然保持良好的空气流通，利于零件成型。具有防火性，火焰自熄特性。
该透气毡可耐温 230° C。用于高性能复合材料成型。适合所有树脂体系。

The breather is a polyester fiber mat.
It is constructed of stretchable polyester fibers with good multi-directional stretchability.
This product is constructed of a much higher density than our other bleeder materials, therefore allowing for a far greater resin bleedout without restricting its ability to conform tightly to the contours of your part.
The breather could be used at temperature 230° C. It could be applied on Advanced composites manufacturing process. It is available for all resins.

技术参数 Technical Data

		测试标准 Test Method
材质类型 Material Type	聚酯纤维毡 Polyester	
颜色 Color	白色 White	
面密度 Sur-Density	330g/m2	ASTM D 792
厚度 Thickness	4.77mm	
最高使用温度 Maximum using Temp.	230°C	
熔融点 Melting Point(°C)	250	ASTM D 3717

NOTES:

- (1) 以上数据为典型值，非工艺规范参数。
(1) The above data is nominal data and is referenced for process specific. Customer shall determine the specific themselves.

标准尺寸 Size

厚度 Thickness	幅宽 Width	卷长 Length	重量 Weight
4.77mm	1520mm	50m	50kg

NOTES:

- (1) 货品需要满足最小起订量。
(1) Tailored products should satisfy the MPQ.

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高温压敏胶带 Pressure Sensitive Tape SI-PST-200GCN

产地: 中国
规范: 暂无

描述 Description

该胶带应用广泛, 可以固定真空袋、热电偶、临时封口、隔离等作用。建议做“小条”使用。
该胶带可耐温 200° C。用于高性能复合材料成型。

The sealant tape is PET film + silicone adhesive material.
This tape is used for multi-purpose functions, like holding vacuum bagging films, thermocouples, temporary seal, protection, etc. Recommended used include “flash” control. This tape could be used at temperature 204°C. It could be applied on Advanced composites manufacturing process.

技术参数 Technical Data

		测试标准 Test Method
材质类型 Material Type	PET 膜材+硅胶胶底 Nylon+silicon	
颜色 Color	绿色 Blue	
最高使用温度 Maximum using Temp.	200°C	
总厚度 Total thickness	0.06mm	ASTM D 3652
断裂延伸率 Elongation	100%	ASTM D 3759

NOTES:

- (1) 以上数据为典型值, 非工艺规范参数。
- (1) The above data is nominal data and is referenced for process specific. Customer shall determine the specific themselves.

标准尺寸 Size

膜材厚度 Thickness	宽度 Width	卷长 Length	重量 Weight
0.002"	25mm/50mm	33m	

NOTES:

- (1) 储存期为 1 年 (从发货日起算)。
- (1) 1 year from date of shipment when stored at 22°C.

Information present herein has been compiled from sources considered to be dependable and is accurate and reliable to the best of our knowledge and belief but is not guaranteed to be so. Nothing herein is to be construed as recommending any practice or any product violation of any patent or in violation of any law or regulation. It is the user's responsibility to determine for himself the suitability of any material for a specific purpose and to adopt such safety precautions as may be necessary. We make no warranty as to the results to be obtained in using any material and, since conditions of use are not under our control, we must necessarily disclaim all liability with respect to the use of any material supplied by us.
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高温压力垫 Pressure Delivery Pad SI-PDP-2

产地: 美国

规范: 波音 BAC5317-6, BAC5578, 空客 AIP103-02-019, AIP103-02-022

描述 Description

该压力垫是固化的硅橡胶材质。
一种硅橡胶材质，在高温高压下仍具有良好的力学性能，特别适合热压罐工艺。
该压力垫可耐温 232° C。用于高性能复合材料成型。适合所有树脂体系。

The pad is a 50 durometer, high strength silicone compound material.
Pad possesses excellent retention of physical properties after exposure to high pressure and elevated temperatures encountered in autoclave cure cycles of composite manufacturing.
The pad could be used at temperature 232° C. It could be applied on Advanced composites manufacturing process. It is available for all resins.

技术参数 Technical Data

		测试标准 Test Method
材质类型 Material Type	合成橡胶 synthetic rubber	
颜色 Color	黑色 Black	
厚度 Thickness	1/16"	ASTM D 792
最高使用温度 Maximum using Temp.	232°C	
硬度 Hardness (ShoreA)	50	
拉伸强度 Tensile Strength	1400psi	
断裂延伸率 Elongation	650%	

NOTES:

- (1) 以上数据为典型值，非工艺规范参数。
(1) The above data is nominal data and is referenced for process specific. Customer shall determine the specific themselves.

标准尺寸 Size

厚度 Thickness	宽度 Width	卷长 Length	重量 Weight
1/16"	54"	50'	41kg

NOTES:

- (1) 厚度可按需定制。
(1) Other thickness could be available on special request.

Information present herein has been compiled from sources considered to be dependable and is accurate and reliable to the best of our knowledge and belief but is not guaranteed to be so. Nothing herein is to be construed as recommending any practice or any product violation of any patent or in violation of any law or regulation. It is the user's responsibility to determine for himself the suitability of any material for a specific purpose and to adopt such safety precautions as may be necessary. We make no warranty as to the results to be obtained in using any material and, since conditions of use are not under our control, we must necessarily disclaim all liability with respect to the use of any material supplied by us.

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钢制真空软管 Steel Vacuum Tube SI-VBTube-SS

产地: 中国

规范: 暂无收录

描述 Description

该真空软管材质为 304 不锈钢。

SI-VBTube-SS 管体本身由里外两层不锈钢管组成，内层管坯为 304 不锈钢波纹管（优，弯曲韧性好），外层为 304 不锈钢编织网（优）。管端采用加长护套，无缝焊接连接端头配件。部分端头配件与外部配件配合时需采用高温氟橡胶密封圈。

钢制真空软管相比硅胶真空软管具有更强的抗压防爆能力，软管的压力范围一般为 0.6-32.0MPa，满足所有热压罐需求。

SI-VBTube-SS 主要有 2m, 3m, 5m 标准管线长度选择。

该真空软管可耐温 260° C（橡胶密封圈型）/650° C（球型密封头型），高强度，气密性佳。用于高性能复合材料成型。

The vacuum tube is a 304 Stainless Steel (SS) tube.

SI-VBTube-SS is composed by 2 layers, inner base is corrugated Stainless Steel pipe, and outer cover is braided SS pipe. Corrugated pipe has the best bending property. At the end of the tube, a SS sheath connects the tube body and the accessory by seamless welding. Some accessories may need seal ring.

SI-VBTube-SS has 3 Standard type, 2m/3m/5m with specified accessory.

The tube could be used at temperature 260° C(with seal ring)/650°C(no seal ring), high strength, perfect sealing. It could be applied on Advanced composites manufacturing process.

技术参数 Technical Data

		测试标准 Test Method
材质类型 Material Type	304 不锈钢/304 Stainless Steel	
尺寸 Size	管内径 Inner diameter: 6mm/8mm; 管端配件 Accessory: 喇叭口内丝 Bell wire inside 平口内丝 Flat wire inside 对接外丝 Butt wire outside	
最高使用温度 Maximum using Temp.	260°C	
螺纹规格 Thread Spec.	1/4"ZG(G,NPT) 3/8"ZG(G,NPT)	
承压强度 Max. Pressure	≥8.6MPa	
标准长度 Standard Length	2m/3m/5m	
制造认证 Manufacture Certificate	TS2732646-2017 ISO9001: 2008	

NOTES:

(1) 内部增强纤维可用玻纤，具体根据客户需求定制。

(1) The reinforcement could be changed to glass fiber, the type of the fiber could be tailored by customer.

(2) 以上数据为典型值，非工艺规范参数。

(2) The above data is nominal data and is referenced for process specific. Customer shall determine the specific themselves.

标准尺寸 Size

管内径 Inner Diameter	长度 Length	净重 Weight
6mm	2m	1.2kg

NOTES:

(1) 管超长长度可定制，范围至 50m。订制货品需要满足最小起订量。

(1) SI-VBTube-SS could be manufactured super-length upto 50m. Tailored products should satisfy the MOQ.

Information present herein has been compiled from sources considered to be dependable and is accurate and reliable to the best of our knowledge and belief but is not guaranteed to be so. Nothing herein is to be construed as recommending any practice or any product violation of any patent or in violation of any law or regulation. It is the user's responsibility to determine for himself the suitability of any material for a specific purpose and to adopt such safety precautions as may be necessary. We make no warranty as to the results to be obtained in using any material and, since conditions of use are not under our control, we must necessarily disclaim all liability with respect to the use of any material supplied by us.

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钢制真空软管配件尺寸规格 (SI-VBTube-SS 系列)

型号 Type	名称 Name	结构组成 Construction	使用特点 Using Character	示意图
SI-VBTube-SS1	喇叭口 内丝	由喇叭口配合的两配件构成, 对外配合为内丝	无橡胶密封垫圈, 可耐温至 650°C	
SI-VBTube-SS2	平口 内丝	由活动内丝单配件构成, 对外配合为内丝	有橡胶密封垫圈, 可耐温至 260°C	
SI-VBTube-SS3	对接 外丝	由固定外丝单配件构成, 对外配合为外丝	有橡胶密封垫圈, 可耐温至 260°C	
SI-VBTube-SS4	配快插接口	由固定接快插母头构成, 对外配合为母头插口	快速安装配合, 有橡胶密封垫圈, 可耐温至 260°C	
<p>备注：钢制软管内径选择：6mm、8mm</p> <p>螺纹尺寸：1/4"、3/8" ZG (G/NPT)</p>				



高温耐压/加强真空软管 Fiber Reinforced Vacuum Tube SI-VBTube-R

产地: 中国

规范: 暂无收录

描述 Description

该真空软管材质为聚酯线增强硅橡胶管。

由里外两层硅胶夹带中间一层编织聚酯线组成, 拥有超强的抗压防爆能力同时具备极好的弯曲度; 编织硅胶管是环保无毒的, 不含有机增塑剂、邻苯二甲酸盐和乳胶添加物; 不会分解任何气味和味道; 光滑内壁不粘水; 可高温和高压操作。

SI-VBTube-R 主要用于高压设备的连接配件, 真空设备, 高洁净实验室以及液气体的输送等。具有良好的化学、机械性能。

该真空软管可耐温 260° C, 高强度, 气密性佳。用于高性能复合材料成型。适合所有体系等。

The vacuum tube is a polyester reinforced silicon rubber tube.

It is composed by 3 layers, inner silicon rubber, middle polyester fiber and outer silicon rubber. It has excellent compressive, anti-explosion ability and together with tough bending strength. The SI-VBTube-1 is non-toxic, no plasticizer/phthalate/latex additives, no decomposing of odor. Smooth wall doesn't stick water, high pressure and temperature operation is available.

SI-VBTube-1 is mainly applied for connecting fittings of high pressure equipment, vacuum equipment, high cleanliness laboratory and liquid gas transportation, etc. It has excellent chemical and mechanical properties.

The tube could be used at temperature 260° C, high strength, perfect sealing. It could be applied on Advanced composites manufacturing process. It is available for all resins.

技术参数 Technical Data

		测试标准 Test Method
材质类型 Material Type	聚酯线/硅橡胶 Polyester/Silicon rubber	
颜色 Color	可定制 Tailored Color	
硬度 Nominal Hardness	70 Shore A	
尺寸 Size	内径 6.00±0.50mm; 外径 12.00±0.50mm; 壁厚: 3.00mm±0.30mm	
最高使用温度 Maximum using Temp.	260°C	
断裂延伸率 Elongation	≥360	
密度 Density	1.2±0.1 g/cm ³	
拉伸强度 Tensile Strength	≥8.6MPa	
撕裂强度 Tear Strength	≥32KN/m	
爆破压力 Burst pressure at RT	≥35bar	

NOTES:

(1) 内部增强纤维可用玻纤, 具体根据客户需求定制。

(1) The reinforcement could be changed to glass fiber, the type of the fiber could be tailored by customer.

(2) 以上数据为典型值, 非工艺规范参数。

(2) The above data is nominal data and is referenced for process specific. Customer shall determine the specific themselves.

标准尺寸 Size

管内径 Inner Diameter	卷长 Length	净重 Weight
6mm	100m	10.2kg

NOTES:

(1) 管径可定制, 范围 3-25mm, 长度可按需裁切。订制货品需要满足最小起订量。

(1) SI-VBTube-1 could be manufactured inner diameter range 3-25mm, length could be tailored as requirement. Tailored products should satisfy the MPQ.

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加强硅胶真空软管尺寸规格 (SI-VBTube-R 系列)

型号	内径 A (mm)	外径 B (mm)	壁厚 (mm)	爆破压力 (KG)	弯曲半径 (mm)	包装 (包)
SI-VBTube-R3S	3±0.5	8±0.5	2.5	≥38	35	100 米/卷
SI-VBTube-R2S	4±0.5	9±0.5	2.5	≥38	35	100 米/卷
SI-VBTube-R1S	5±0.5	11±0.5	3	≥38	35	100 米/卷
SI-VBTube-R1	6.35±0.5	12±0.5	2.825	≥35	35	100 米/卷
SI-VBTube-R1L	7.93±0.5	15±0.5	3.535	≥35	50	100 米/卷
SI-VBTube-R2L	9.52±0.5	17±0.5	3.74	≥35	50	100 米/卷
SI-VBTube-R3L	12.7±0.7	22±0.7	4.65	≥25	70	50 米/卷
SI-VBTube-R4L	15.87±0.7	25±0.7	4.565	≥23	80	50 米/卷
SI-VBTube-R5L	19.05±0.7	31±0.7	5.975	≥18	110	50 米/卷
SI-VBTube-R6L	25.4±0.7	38±0.7	6.3	≥12	150	50 米/卷



真空嘴 Vacuum Valve SI-VV-D402CN

产地: 中国
规范: 通用

描述 Description

D402, 是一款优质的真空嘴, 用于复合材料的真空袋压工艺中, 快速可靠的将真空管连接到真空袋上。

该真空嘴由两部分组成, 一部分是底座 (位于真空袋内部), 另一部分是旋转头配橡胶软垫圈 (位于真空袋外部)。

该真空嘴的突出特点是使用时无需将真空袋预先制孔, 而直接实现底座旋转插入连接。中间有橡胶垫圈, 保证可靠的密封性。

D402 最高使用温度分别可达 200° C/260° C, 常压或热压罐中都可以使用。这些高质量的真空嘴, 可以被无限的重复使用。

These high quality Through Bag Valves are a quick and reliable way to connect vacuum hoses to vacuum bags.

The valve is made up of two halves, one of which is placed inside the vacuum bag, the other is placed on the outside.

The distinguished character of this valve is to avoid pinning a small hole on the vacuum bag. It could be directly insert and spin the mandrel of the valve to assembly. The two halves twist together clamping around a rubber seal, providing a solid and reliable air-tight seal.

These high quality Valves can be re-used indefinitely.

技术参数 Technical Data

		测试标准 Test Method
材质类型 Material Type	304 不锈钢或铝 Stainless steel (SS) Aluminum chosen	
底座直径 Diameter	64mm	
整体高度 Height	30mm	
密封垫圈材质 Sealing Material	硅橡胶 Silicon rubber	
螺纹制式 Thread Standard	ZG1/4" (G\NPT)	

NOTES:

(1) 以上数据为典型值, 非工艺规范参数。

(1) The above data is nominal data and is referenced for process specific. Customer shall determine the specific themselves.

标准尺寸 Size

规格 Standard	材料 Material	重量 Weight
1/4" NPT	304 不锈钢	65.0g
1/4" NPT	铝合金	30.0g

NOTES:

(1) 货品可按客户要求订制, 订制货品需要满足最小起订量。

(1) Tailored products should satisfy the MOQ.

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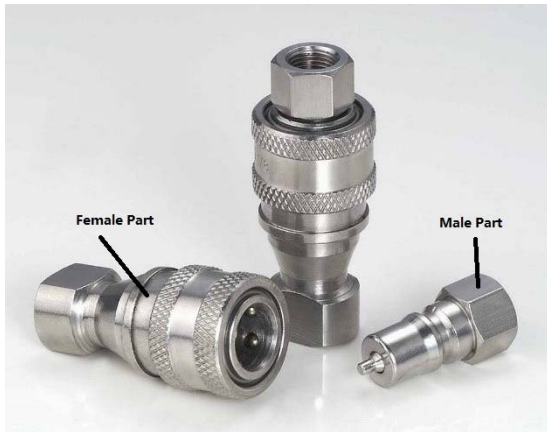
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型号 Type	名称 Name	使用特点 Using Character	示意图 Photo
SI-VV-D405	超高温真空嘴	无橡胶密封垫圈, 可耐温至 650°C 材料: 304SS	
SI-VV-D404	高温真空嘴	有橡胶密封垫圈, 可耐温至 260°C 材料可选: 304SS	
SI-VV-D403	高温真空嘴	有橡胶密封垫圈, 可耐温至 260°C 材料: 304SS	
SI-VV-D402	高温真空嘴	有橡胶密封垫圈, 可耐温至 260°C 材料可选: 304SS 或 Al	
SI-VV-D401	高温真空嘴	有橡胶密封垫圈, 可耐温至 260°C 材料可选: 304SS 或 Al	
SI-VV-D400	高温真空嘴	有橡胶密封垫圈, 可耐温至 260°C 材料可选: 304SS 或 Al	
<p>备注: 内径选择: 6mm、8mm</p> <p>螺纹尺寸: 1/4"、3/8" ZG (G/NPT)</p>			



快卸接头 Vacuum Connector AQD500TF-ZG1/4"

产地: 中国
规范: 通用

描述 Description

该快卸接头是航空工业专用气路接头。具有不锈钢和黄铜两种材质。适用于真空管路、压力气路、液压管路等。符合制造标准 ISO7241-B。锥形阀芯，钢珠锁紧设计。当公头拔出时，气（液）路自动锁紧。该快卸接头可耐温 260° C，高强度，气密性佳。用于高性能复合材料袋压成型、模压、热压罐等。适合所有树脂体系等。

The quick connector is developed especially for the Aerospace Industry. It has two types of materials: stainless steel & copper. It is available for vacuum tube, press machine, liquid tube, etc. The manufacturing standard is ISO 7241-B. Cone disc, steel ball lock. When the male part is disconnected from the female part, there is no leakage of air and the other liquid.

The connector could be used at temperature 260° C, high strength, perfect sealing. It could be applied on advanced composites manufacturing process. It is available for all resins.

技术参数 Technical Data

		测试标准 Test Method
材质类型 Material Type	304 不锈钢或铜 Stainless steel or copper	
额定压力 Pressure	70bar	
额定流量 Flow	1~150GPM	
规格 Size	1/8"~2"	
最高使用温度 Maximum using Temp.	260°C	
密封垫圈材质 Sealing Material	氟橡胶，丁晴橡胶 Fluoro-rubber, NBR rubber	
螺纹制式 Thread Standard	ZG (G\NPT\M)	

NOTES:

- (1) 以上数据为典型值，非工艺规范参数。
(1) The above data is nominal data and is referenced for process specific. Customer shall determine the specific themselves.

标准尺寸 Size

规格 Standard	示意图 Draft	重量 Weight
1/4" 不锈钢	TBD	M:29.0g; F:55.0g
1/4" 黄铜	TBD	M:31.5g; F:61.0g

NOTES:

- (1) 货品可按客户要求订制，订制货品需要满足最小起订量。
(1) Tailored products should satisfy the MPQ.

