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Wynca新安
硅基新材料

硅基新材 自然新安

SILICON-BASED NEW MATERIALS
THE NATURE OF WYNCA



呼吸面罩专用医疗级液体胶

物性简介：

- ◆适用生产呼吸面罩、鼻氧管等产品
- ◆出货200kg/桶或20KG/桶包装
- ◆适合注射成型
- ◆良好的透明度，长期抗黄变效果佳
- ◆快速硫化，生产效率高
- ◆可做硬度范围：20度-80度
- ◆可根据客户具体产品、设备、工艺情况，进行客制化服务
- ◆本款材料可通过热原、溶血、皮肤致敏、皮肤刺激、体外细胞毒性等试验并提供ISO10993-4/5/10/11以及USP88 Class VI认证报告



型号	XHG-6920/40-J	XHG-6920/50-J	XHG-6920/60-J
特性			
外观	透明	透明	透明
硬度(HA)	40	50	60
粘度 (10 ⁴ mPa·s)	80/75	85/80	90/80
拉伸强度(MPa)	10.0	10.0	9.5
伸长率(%)	750	600	550
撕裂强度(N/mm)	30.8	38.4	34.6

- 以上数据为200℃*2h二次硫化后测试数据。
- 撕裂强度:ISO 34-1 Die B直角裁刀测试数据。

Medical grade LSR for respiratory masks

Features:

- ◆Suitable for producing respiratory mask,nasal oxygen tube and other products
- ◆200kg/barrel or 20KG/barrel packaging
- ◆Suitable for injection molding
- ◆Good transparency and long term anti-yellow effect
- ◆Rapid vulcanization with high production efficiency
- ◆Available hardness: 20 to 80 HA
- ◆Customized services can be provided according to the customer's specific products,equipment,process conditions
- ◆This material can pass tests such as pyrogenicity,haemolysis,skin sensitization,skin irritation,in vitro cytotoxicity,and provide ISO10993-4/5/10/11 and USP88 Class VI certification reports



Model	XHG-6920/40-J	XHG-6920/50-J	XHG-6920/60-J
Item			
Appearance	transparent	transparent	transparent
Hardness(HA)	40	50	60
Viscosity (10 ⁴ mPa·s)	80/75	85/80	90/80
Tensile Strength(MPa)	10.0	10.0	9.5
Elongation(%)	750	600	550
Tear Strength(N/mm)	30.8	38.4	34.6

- The data values are under the condition post-cured 2h at 200℃.
- Tear strength: Refer to ISO 34-1 Method Die B, procedure(a)

通用型医疗级液体胶

物性简介：

- ◆适用生产各类通用型医疗配件
- ◆出货200KG/桶或20KG/桶包装
- ◆适合注射成型
- ◆良好的物理性能
- ◆加工性能良好
- ◆可做硬度范围：20度-80度
- ◆本款材料可通过生物相容性基础三项(细胞毒性、皮肤刺激、皮肤致敏)并提供GB16886.5-2017、GB16886.10-2017测试报告（双极性）



型号 \ 特性	TYL-6420/50-**	TYL-6420/60-**	TYL-6420/70-**
外观	透明	透明	透明
硬度(HA)	50	60	68
粘度 (10 ⁴ mPa·s)	85/80	90/80	110/100
拉伸强度(MPa)	9.0	9.0	8.0
伸长率(%)	580	520	350
撕裂强度(N/mm)	36.8	32.4	35.4

- 以上数据为200℃*2h二次硫化后测试数据。
- 撕裂强度:ISO 34-1 Die B直角裁刀测试数据。

Medical grade LSR for general purpose

Features:

- ◆Suitable for producing various general medical accessories
- ◆200kg/barrel or 20KG/barrel packaging
- ◆Good physical properties
- ◆Good processing performance
- ◆Available hardness: 20 to 80 HA
- ◆This material can pass three biocompatibility tests (cytotoxicity,skin irritation,and skin sensitization) and provide GB16886.5-2017 and GB16886.10-2017 test reports (bipolar)



Model \ Item	TYL-6420/50-**	TYL-6420/60-**	TYL-6420/70-**
Appearance	transparent	transparent	transparent
Hardness(HA)	50	60	68
Viscosity (10 ⁴ mPa·s)	85/80	90/80	110/100
Tensile Strength(MPa)	9.0	9.0	8.0
Elongation(%)	580	520	350
Tear Strength(N/mm)	36.8	32.4	35.4

- The data values are under the condition post-cured 2h at 200℃.
- Tear strength: Refer to ISO 34-1 Method Die B, procedure(a).

高透快速硫化医疗级液体胶

物性简介：

- ◆适用生产负压球、导尿管分歧头和喉罩管体和罩囊等各类医疗配件
- ◆出货200KG/桶或20KG/桶包装
- ◆适合注射成型
- ◆良好的透明度,透光率达到88%以上
- ◆高撕裂强度,40度以上可达40N/mm
- ◆快速硫化,生产效率高
- ◆可做硬度范围:20度-80度
- ◆可根据客户具体产品、设备、工艺情况,进行客制化服务
- ◆本款材料可通过热原、溶血、皮肤致敏、皮肤刺激、体外细胞毒性等试验并提供ISO10993-4/5/10/11以及USP88 Class VI认证报告



型号 \ 特性	XHG-6920/50-**	XHG-6920/60-**	XHG-6920/70-**
外观	透明	透明	透明
硬度(HA)	52	60	70
粘度 (10 ⁴ mPa·s)	140/130	170/160	110/100
拉伸强度(MPa)	10.0	10.5	9.0
伸长率(%)	660	600	410
撕裂强度(N/mm)	44.9	48.6	40.6

- 以上数据为200℃*2h二次硫化后测试数据。
- 撕裂强度:ISO 34-1 Die B直角裁刀测试数据。

High transparent and fast cure medical grade LSR

Features:

- ◆Suitable for producing negative pressure ball,catheter, laryngeal mask and other medical accessories
- ◆200kg/barrel or 20KG/barrel packaging
- ◆Suitable for injection molding
- ◆Good transparency
- ◆Rapid vulcanization with high production efficiency
- ◆High tear strength,up to 40 n / mm above 40 HA
- ◆Available hardness: 20 to 80 HA
- ◆Customized services can be provided according to the customer's specific products,equipment,process conditions
- ◆This material can pass tests such as pyrogenicity,haemolysis,skin sensitization,skin irritation,in vitro cytotoxicity,and provide ISO10993-4/5/10/11 and USP88 Class VI certification reports



Model \ Item	XHG-6920/50-**	XHG-6920/60-**	XHG-6920/70-**
Appearance	transparent	transparent	transparent
Hardness(HA)	52	60	70
Viscosity (10 ⁴ mPa·s)	140/130	170/160	110/100
Tensile Strength(MPa)	10.0	10.5	9.0
Elongation(%)	660	600	410
Tear Strength(N/mm)	44.9	48.6	40.6

- The data values are under the condition post-cured 2h at 200℃.
- Tear strength: Refer to ISO 34-1 Method Die B, procedure(a).

免二硫医疗级液体胶

物性简介：

- ◆适用生产各种无需二次硫化医疗产品配件
- ◆一硫后VOM≤0.4%，D3-D10含量≤300ppm；
- ◆长期稳定性好
- ◆注射成型
- ◆可做硬度范围：20-70度
- ◆出货200KG/桶或20KG/桶包装
- ◆本款材料无需二次硫化，可通过生物相容性基础三项(细胞毒性、皮肤刺激、皮肤致敏)试验并提供ISO10993-5/10/23认证报告



型号 特性	TYL-6D23/20	TYL-6D23/30	TYL-6D23/40	TYL-6D23/50	TYL-6D23/60	TYL-6D23/70
外观	透明	透明	透明	透明	透明	透明
粘度 (10 ⁴ mPa·s)	40/35	55/50	65/60	75/70	85/80	110/100
硬度 (邵A)	22	30	40	50	60	68
拉伸强度 (MPa)	5.5	7.0	9.5	10.0	9.5	9.0
断裂伸长率 (%)	880	800	720	620	520	400
撕裂强度 (N/mm)	9.5	13.0	22	31.6	34.8	30
VOM(GB28482)	0.34%	0.3%	0.32%	0.32%	0.34%	0.32%

- 以上数据为105℃*15min一次硫化后测试数据。
- 撕裂强度:ISO 34-1 Die B直角裁刀测试数据。

Non post cure medical grade LSR

Features:

- ◆Suitable for producing various medical accessories that do not require post cure
- ◆200kg/barrel or 20KG/barrel packaging
- ◆Suitable for injection molding
- ◆After press cure,VOM ≤ 0.4%, D3-D10 content ≤ 300ppm;
- ◆Good long-term stability
- ◆Available hardness: 20 to 70 HA
- ◆This material does not require post cure and can pass three basic biocompatibility tests (cytotoxicity,skin irritation,and skin sensitization), with an ISO10993-5/10/23 certification report provided



Model Item	TYL-6D23/20	TYL-6D23/30	TYL-6D23/40	TYL-6D23/50	TYL-6D23/60	TYL-6D23/70
Appearance	transparent	transparent	transparent	transparent	transparent	transparent
Viscosity (10 ⁴ mPa·s)	40/35	55/50	65/60	75/70	85/80	110/100
Hardness (HA)	22	30	40	50	60	68
Tensile Strength (MPa)	5.5	7.0	9.5	10.0	9.5	9.0
Elongation (%)	880	800	720	620	520	400
Tear Strength (N/mm)	9.5	13.0	22	31.6	34.8	30
VOM(GB28482)	0.34%	0.3%	0.32%	0.32%	0.34%	0.32%

- The data is under the test condition after press cure at 105℃*15min.
- Tear strength: Refer to ISO 34-1 Method Die B, procedure(a).

自粘医疗级液体胶

物性简介：

- ◆适用生产耳蜗、鼻枕连接等需要粘接医疗产品配件
- ◆力学性能优良，快速硫化，可中低温（100-120）硫化；
- ◆无需底涂剂，和PC等基材粘接良好；
- ◆可做硬度范围：20-70度
- ◆注射成型
- ◆出货200KG/桶或20KG/桶包装
- ◆本款材料可通过生物相容性基础三项(细胞毒性、皮肤刺激、皮肤致敏)试验并提供ISO10993-5/10/23认证报告



型号 特 性	TYL-6A29/30	TYL-6A29/40	TYL-6A29/50	TYL-6A29/60
外观	乳白半透明	乳白半透明	乳白半透明	乳白半透明
粘度 (10 ⁴ mPa·s)	68/70	90/100	80/90	110/140
硬度 (邵A)	34	40	50	60
拉伸强度(MPa)	7.2	7.8	9.5	9.5
断裂伸长率 (%)	760	750	700	550
撕裂强度 (N/mm)	15.2	28.8	36.8	30.2

- 以上数据为105℃*15min一次硫化后测试数据。
- 撕裂强度:ISO 34-1 Die B直角裁刀测试数据。

Self adhesive medical grade LSR

Features:

- ◆Suitable for producing cochlea,nasal pillow and other adhesive medical accessories
- ◆Excellent mechanical properties,fast cure,suitable for low to medium temperature (100-120) vulcanization;
- ◆No primer required,good adhesion to substrates such as PC
- ◆Available hardness: 20 to 70 HA
- ◆Suitable for injection molding
- ◆200kg/barrel or 20KG/barrel packaging
- ◆This material can pass three basic biocompatibility tests (cytotoxicity,skin irritation,and skin sensitization),with an ISO10993-5/10/23 certification report provided



Model Item	TYL-6A29/30	TYL-6A29/40	TYL-6A29/50	TYL-6A29/60
Appearance	Milky white translucent			
Viscosity (10 ⁴ mPa·s)	68/70	90/100	80/90	110/140
Hardness (HA)	34	40	50	60
Tensile strength (MPa)	7.2	7.8	9.5	9.5
Elongation (%)	760	750	700	550
Tear strength (N/mm)	15.2	28.8	36.8	30.2

- The data is under the test condition after press cure at 105℃*15min.
- Tear strength: Refer to ISO 34-1 Method Die B, procedure(a).

抗 菌 医 疗 级 液 体 胶

物性简介：

- ◆适用生产有抗菌需求的医疗产品
- ◆满足ISO10993-5/10认证。
- ◆参照ISO22196抗菌率≥99%以上(大肠杆菌、金黄色葡萄球菌)
- ◆可做硬度范围:20-80度
- ◆注射成型
- ◆出货200KG/桶或20KG/桶包装
- ◆本款材料可通过生物相容性基础三项(细胞毒性、皮肤刺激、皮肤致敏)试验并提供ISO10993-5/10认证报告



特 性 \ 型 号	TYL-6428/60
外观	乳白半透明
粘度 (10* $\text{mPa}\cdot\text{s}$)	150/140
硬度 (邵A)	62
拉伸强度(MPa)	9.0
断裂伸长率(%)	600
撕裂强度(N/mm)	27.8

- 以上数据为105℃*15min一次硫化后测试数据。
- 撕裂强度:ISO 34-1 Die B直角裁刀测试数据。

Anti-bacterial medical grade LSR

Features:

- ◆Suitable for producing medical products with anti bacterial needs
- ◆Meet ISO10993-5/10 certification
- ◆According to ISO22196,antibacterial rate $\geq$ 99% (Escherichia coli,Staphylococcus aureus)
- ◆Available hardness: 20 to 80 HA
- ◆Suitable for injection molding
- ◆200kg/barrel or 20KG/barrel packaging
- ◆This material can pass three basic biocompatibility tests (cytotoxicity,skin irritation,and skin sensitization),with an ISO10993-5/10 certification report provided



Model \ Item	TYL-6428/60
Appearance	Milky white translucent
Viscosity (10 $\text{mPa}\cdot\text{s}$)	150/140
Hardness(HA)	62
Tensile strength(MPa)	9.0
Elongation(%)	600
Tear strength (N/mm)	27.8

- The data is under the test condition after press cure at 105℃*15min.
- Tear strength: Refer to ISO 34-1 Method Die B, procedure(a).

低粘度低硬度医疗级别液体胶

物性简介：

- ◆适用生产高端成人用品、假肢等产品
- ◆超低粘度, 适合灌注成型
- ◆零度不易出油
- ◆手感柔软、脱模成型操作简单
- ◆出货20KG/桶包装
- ◆可根据客户具体产品、设备、工艺情况, 进行客制化服务
- ◆本款材料可通过热原、溶血、皮肤致敏、皮肤刺激、体外细胞毒性等试验并提供ISO10993-4/5/10/11以及USP88 Class VI认证报告



型号 \ 特性	XHG-6920/00	XHG-6920/10	XHG-6920/20
外观	透明	透明	透明
粘度 (mPa·s)	3800	3000	5000
硬度 (邵A)	0	10	20
拉伸强度(MPa)	0.8	3.5	5.0
断裂伸长率 (%)	900	800	500
撕裂强度(N/mm)	2.9	10	11

- 以上数据为105℃*15min一次硫化后测试数据。
- 撕裂强度:ISO 34-1 Die B直角裁刀测试数据。

Low viscosity and low hardness medical liquid silicone rubber

Features:

- ◆For high-end adult products, prosthetics,etc
- ◆Ultra low viscosity, suitable for perfusion molding
- ◆Regarding 0 Shore A, oil would not seeped out easily
- ◆Soft feel and easy demolding
- ◆Packing: 20KG/barrel
- ◆Customized services can be provided based on the specific product, equipment,and process conditions
- ◆This material can pass tests such as pyrogen,hemolysis,skin sensitization,skin irritation,in vitro cytotoxicity,ISO10993-4/5/10/11 and USP88 Class VI certification reports are available



Model \ Item	XHG-6920/00	XHG-6920/10	XHG-6920/20
Appearance	transparent	transparent	transparent
Viscosity (mPa·s)	3800	3000	5000
Hardness(HA)	0	10	20
Tensile Strength(MPa)	0.8	3.5	5.0
Elongation at break (%)	900	800	500
Tear Strength(N/mm)	2.9	10	11

- The data is under the test condition after press cure at 105℃*15min.
- Tear strength: Refer to ISO 34-1 Method Die B, procedure(a).

硅 凝 胶

物性简介：

- ◆适用生产疤痕贴、医用敷料、可穿戴设备等产品
- ◆高透明度，良好的粘附力，无创伤剥离和凝胶剥离后无残留，中温加热固化
- ◆良好的综合物理性能
- ◆粘度范围(单位:mPa·s):1K-5W
- ◆可根据客户情况定制免底涂配方
- ◆本款材料可通过热原、溶血、皮肤致敏、皮肤刺激、体外细胞毒性等试验并提供ISO10993-4/5/10/11以及USP88 Class VI认证报告



型号 特 性	XHG-6920/AB-1K	XHG-6920/AB-1W	XHG-6920/AB-2W	XHG-6920/AB-3W	XHG-6920/AB-5W
粘度 mPa·s	1200	7500	14000	25000	45000
混合比例	1:1	1:1	1:1	1:1	1:1
针入度(0.1mm)	200	180	200	180	175
密度(g/cm³)	0.98	0.98	0.98	0.98	0.98
操作时间 (23℃, min)	70	70	70	70	70
凝胶时间 (100℃, min)	10	10	10	10	10

Silicone gel

Features:

- ◆For scar patches,medical dressings wearable devices and other products
- ◆High transparency,good adhesion,non-invasive peeling and no residue after gel peeling,medium temperature for curing
- ◆Good comprehensive physical performance
- ◆Viscosity range (unit: mPa · s): 1K-5W
- ◆Customizable primer-free formula
- ◆This material can pass tests such as pyrogen,hemolysis, skin sensitization,skin irritation,in vitro cytotoxicity,ISO10993-4/5/10/11 and USP88 Class VI certification reports are available



Model Item	XHG-6920/AB-1K	XHG-6920/AB-1W	XHG-6920/AB-2W	XHG-6920/AB-3W	XHG-6920/AB-5W
Viscosity mPa·s	1200	7500	14000	25000	45000
Mixing ratio	1:1	1:1	1:1	1:1	1:1
Penetration (0.1mm)	200	180	200	180	175
Density(g/cm³)	0.98	0.98	0.98	0.98	0.98
Operating time (23℃, min)	70	70	70	70	70
Gelation time (100℃, min)	10	10	10	10	10

医用产品固体铂金模压胶

物性简介：

- ◆适用生产各类医疗阀门、密封等产品
- ◆出货20KG/箱, 适合模压成型
- ◆透明度良好, 透光率可达到86%
- ◆性能稳定, 抗黄效果好
- ◆可做硬度范围:10度-90度
- ◆可根据客户具体产品、设备、工艺情况, 进行客制化服务
- ◆建议适配铂金硫化剂
- ◆本款材料可通过热原、溶血、皮肤致敏、皮肤刺激、体外细胞毒性等试验并提供ISO10993-4/5/10/11以及USP88 Class VI认证报告



型号	TYE771-3087	TYE771-5087	TYE771-7087
特性			
外观	透明	透明	透明
硬度(HA)	30	50	70
密度	1.09	1.13	1.19
拉伸强度(MPa)	9	11	11
伸长率(%)	800	600	400
撕裂强度(N/mm)	21	32	40

- 以上数据为200℃*2h二次硫化后测试数据。
- 撕裂强度:ISO 34-1 Die B直角裁刀测试数据。

Platinum-cure molding type HCR for medical products

Features:

- ◆For various medical valves,seals, etc.
- ◆Packing: 20KG/carton,suitable for molding
- ◆Good transparency,with a transmittance of up to 86%
- ◆Stable performance and good anti yellowing effect
- ◆Available hardness: 10-90HA
- ◆Customized services can be provided based on the specific product,equipment,and process conditions
- ◆Suggested compatibility with platinum vulcanizing agent
- ◆This series can pass tests such as pyrogen,hemolysis,skin sensitization,skin irritation,in vitro cytotoxicity,ISO10993-4/5/10/11 and USP88 Class VI certification reports are available



Model	TYE771-3087	TYE771-5087	TYE771-7087
Item			
Appearance	Transparent	Transparent	Transparent
Hardness(HA)	30	50	70
Density (g/cm³)	1.09	1.13	1.19
Tensile strength (MPa)	9	11	11
Elongation at break (%)	800	600	400
Tear strength (N/mm)	21	32	40

- It ‘s the post cured data at 200 °C * 2h
- Tear strength: Refer to ISO 34-1 Method B,procedure (a)

医用产品可穿刺固体模压胶

物性简介：

- ◆适用生产各类医疗针套等高回弹配件
- ◆出货20KG/箱, 适合模压成型
- ◆可以耐反复穿刺,回弹性能优越
- ◆可做硬度范围:30度-80度
- ◆可根据客户具体产品、设备、工艺情况, 进行客制化服务
- ◆建议适配铂金硫化剂
- ◆本款材料可通过热原、溶血、皮肤致敏、皮肤刺激、体外细胞毒性等试验并提供ISO10993-4/5/10/11以及USP88 Class VI认证报告



型号	TYE771-3080	TYE771-5080	TYE771-7080
特 性			
外观	透明	透明	透明
硬度(HA)	30	50	70
密度	1.08	1.10	1.14
拉伸强度(MPa)	8	9	10
伸长率(%)	800	450	250
撕裂强度(N/mm)	20	30	30
回弹(%)	65	65	60

- 以上数据为200℃*2h二次硫化后测试数据。
- 撕裂强度:ISO 34-1 Die B直角裁刀测试数据。

Molding type HCR for medical products with puncture requirements

Features:

- ◆For various types of high rebound accessories such as medical needle sleeves
- ◆Packing:20KG/carton,suitable for molding
- ◆Lt can withstand repeated puncture and has excellent rebound performance
- ◆Available hardness: 30-80HA
- ◆Customized services can be provided based on the specific product, equipment,and process conditions
- ◆Suggested compatibility with platinum vulcanizing agent
- ◆This series can pass tests such as pyrogen,hemolysis, skin sensitization,skin irritation,in vitro cytotoxicity,ISO10993-4/5/10/11 and USP88 Class VI certification reports are available



Model	TYE771-3080	TYE771-5080	TYE771-7080
Item			
Appearance	Transparent	Transparent	Transparent
Hardness(HA)	30	50	70
Density (g/cm³)	1.08	1.10	1.14
Tensile strength (MPa)	8	9	10
Elongation at break (%)	800	450	250
Tear strength (N/mm)	20	30	30
Rebound Resilience(%)	65	65	60

- It ‘s the post cured data at 200 °C * 2h
- Tear strength: Refer to ISO 34-1 Method B,procedure (a)

医用产品高撕裂固体模压胶

物性简介：

- ◆适用生产各类医疗复杂部件
- ◆出货20KG/箱, 适合模压成型
- ◆撕裂强度高, 伸长率高
- ◆可做硬度范围:30度-80度
- ◆可根据客户具体产品、设备、工艺情况, 进行客制化服务
- ◆建议适配铂金硫化剂
- ◆本款材料可通过热原、溶血、皮肤致敏、皮肤刺激、体外细胞毒性等试验并提供ISO10993-4/5/10/11以及USP88 Class VI认证报告



型号 \ 特性	TYE771-3088	TYE771-5088	TYE771-7088
外观	透明	透明	透明
硬度(HA)	30	50	70
密度	1.08	1.15	1.19
拉伸强度(MPa)	10	11	10
伸长率(%)	850	600	600
撕裂强度(N/mm)	25	35	45

- 以上数据为200℃*2h二次硫化后测试数据。
- 撕裂强度:ISO 34-1 Die B直角裁刀测试数据。

High tear strength molding type HCR for medical products

Features:

- ◆For various medical complex components
- ◆Packing: 20KG/carton,suitable for molding
- ◆High tear strength and elongation
- ◆Available hardness: 30-80HA
- ◆Customized services can be provided based on the specific product, equipment,and process conditions
- ◆Suggested compatibility with platinum vulcanizing agent
- ◆This series can pass tests such as pyrogen, hemolysis,skin sensitization,skin irritation,in vitro cytotoxicity,and ISO10993-4/5/10/11 and USP88 Class VI certification reports is available



Model \ Item	TYE771-3088	TYE771-5088	TYE771-7088
Appearance	Transparent	Transparent	Transparent
Hardness(HA)	30	50	70
Density (g/cm³)	1.08	1.15	1.19
Tensile strength (MPa)	10	11	10
Elongation at break (%)	850	600	600
Tear strength (N/mm)	25	35	45

- It ‘s the post cured data at 200 °C * 2h
- Tear strength: Refer to ISO 34-1 Method B,procedure (a)

导尿管球囊胶

物性简介：

- ◆良好的扩张可恢复性
- ◆好脱模、易加工
- ◆良好的综合物理性能、伸长率高
- ◆B胶+A剂模式, 出货20KG/纸箱包装
- ◆模压成型
- ◆本款材料可通过热原、溶血、皮肤致敏、皮肤刺激、体外细胞毒性等试验并提供ISO10993-4/5/10/11以及USP88 Class VI认证报告



型号	TYE771-30AY
特 性	
外观	透明
硬度(HA)	33
密度(g/cm³)	1.09
拉伸强度(MPa)	10.1
伸长率(%)	1000
撕裂强度(N/mm)	25
尿液浸泡实验	浸泡30天 (Pa·ss)

- 以上数据为200℃*2h二次硫化后测试数据。
- 撕裂强度:ISO 34-1 Die B直角裁刀测试数据。

Silicone rubber for foley catheter balloon

Features:

- ◆Good scalability and recoverability
- ◆Easy to demould and process
- ◆Good comprehensive physical properties and high elongation
- ◆Material with B pre-added +A individual,packing 20KG/carton
- ◆Compression Molding
- ◆This series can pass tests such as pyrogen,hemolysis,skin sensitization,skin irritation,in vitro cytotoxicity,ISO10993-4/5/10/11 and USP88 Class VI certification reports are available



Model	TYE771-30AY
Item	
Appearance	Transparent
Hardness(HA)	33
Density (g/cm³)	1.09
Tensile strength (MPa)	10.1
Elongation at break (%)	1000
Tear strength (N/mm)	25
Urine soaking experiment	Soak for 30 days (Pa·ss)

- It ‘s the post cured data at 200 °C * 2h
- Tear strength: Refer to ISO 34-1 Method B,procedure (a)

通用型医用模压胶

物性简介：

- ◆适用生产各类通用型医疗配件
- ◆出货20KG/箱, 适合模压成型
- ◆良好的物理性能
- ◆加工性能良好
- ◆可做硬度范围:20度-80度
- ◆建议适配铂金硫化剂
- ◆本款材料可通过生物相容性基础三项(细胞毒性、皮肤刺激、皮肤致敏)试验并提供ISO10993-5/10认证报告



型号 \ 特性	TY5771-30**	TY5771-50**	TY5771-70**
外观	透明	透明	透明
硬度(HA)	30	50	70
密度	1.09	1.13	1.19
拉伸强度(MPa)	8	9	10
伸长率(%)	750	650	500
撕裂强度(N/mm)	18	25	25

- 以上数据为200℃*2h二次硫化后测试数据。
- 撕裂强度:ISO 34-1 Die B直角裁刀测试数据。

Medical grade GP type HCR for molding

Features:

- ◆Suitable for the general purpose medical articles
- ◆Packaging:20kg/box,for molding
- ◆Good comprehensive physical properties
- ◆Good processing performance
- ◆Hardness 20-80 products available
- ◆Platinum curing agent is recommended
- ◆Passed the Biocompatibility tests(cytotoxicity,skin irritation and skin sensitization),ISO10993-5/10 certification report available



Model \ Item	TY5771-30**	TY5771-50**	TY5771-70**
Appearance	Transparent	Transparent	Transparent
Hardness (HA)	30	50	70
Density	1.09	1.13	1.19
Tensile Strength (Mpa)	8	9	10
Elongation (%)	750	650	500
Tear Strength(N/mm)	18	25	25

- The data values are under the condition post-cured 2h at 200℃.
- Tear strength: Refer to ISO 34-1 Method B,procedure(a).

通用型医用挤出胶

物性简介：

- ◆适用生产各类通用型医疗管体
- ◆出货20KG/箱, 适合挤出成型
- ◆良好的物理性能
- ◆加工性能良好
- ◆可做硬度范围:40度-80度
- ◆通过GB16886生物相容性三项测试(双极性)
- ◆建议适配铂金硫化剂
- ◆本款材料可通过生物相容性基础三项(细胞毒性、皮肤刺激、皮肤致敏)试验并提供ISO10993-5/10认证报告



型号	TY5771-50**	TY5771-60**	TY5771-70**
特性			
外观	透明	透明	透明
硬度(HA)	52	62	72
密度	1.14	1.17	1.20
拉伸强度(MPa)	9.5	9.5	9.5
伸长率(%)	650	500	400
撕裂强度(N/mm)	26	28	30

- 以上数据为200℃*2h二次硫化后测试数据。
- 撕裂强度:ISO 34-1 Die B直角裁刀测试数据。

Medical grade GP type HCR for extrusion

Features:

- ◆Suitable for the general purpose extruding medical articles
- ◆Packaging:20kg/box,for extrusion
- ◆Good comprehensive physical properties
- ◆Excellent process performance
- ◆Hardness 40-80 products available
- ◆Passed GB16886 Biocompatibility tests(bipolar)
- ◆Platinum curing agent is recommended
- ◆Passed the Biocompatibility tests(cytotoxicity,skin irritation and skin sensitization),ISO10993-5/10 certification report available



Model	TY5771-50**	TY5771-60**	TY5771-70**
Item			
Appearance	Transparent	Transparent	Transparent
Hardness (HA)	52	62	72
Density	1.14	1.17	1.20
Tensile Strength (Mpa)	9.5	9.5	9.5
Elongation (%)	650	500	400
Tear Strength (N/mm)	26	28	30

- The data values are under the condition post-cured 2h at 200℃.
- Tear strength: Refer to ISO 34-1 Method B,procedure(a).

医用产品固体铂金导尿管类挤出胶

物性简介：

- ◆适用生产导尿管、胃管、前列腺管等
- ◆出货20KG/箱, 适合挤出成型
- ◆透明度良好, 透光率可达到86%
- ◆性能稳定, 抗黄性能好
- ◆良好的综合物理性能, 优良加工性
- ◆耐消毒性(碘伏、醋酸氯己定、新洁尔灭溶液)
- ◆可根据客户具体产品、设备、工艺情况, 进行客制化服务
- ◆建议适配铂金硫化剂
- ◆本款材料可通过热原、溶血、皮肤致敏、皮肤刺激、体外细胞毒性等试验并提供ISO10993-4/5/10/11以及USP88 Class VI认证报告



型号	TYE771-50BG	TYE771-60BG	TYE771-70BG	TYE771-80BG	TYE771-90BG
特 性					
外观	透明	透明	透明	透明	透明
硬度(HA)	52	62	72	82	90
密度(g/cm³)	1.14	1.16	1.18	1.20	1.22
拉伸强度(MPa)	11.5	11.0	11.0	9.5	9.0
伸长率(%)	700	550	400	300	110
撕裂强度(N/mm)	35.0	35.0	42.0	30.0	25.0

- 以上数据为200℃*2h二次硫化后测试数据。
- 撕裂强度:ISO 34-1 Die B直角裁刀测试数据。

Medical grade platinum-cure HCR for catheter extrusion

Features:

- ◆Suitable for the production of urinary catheters,gastric tubes, prostate tubes etcs.
- ◆Packaging:20kg/box,for extrusion
- ◆High transparency,transmittance reach 86%
- ◆Stable performance, good anti-yellowing
- ◆Good comprehensive physical properties and excellent process performance
- ◆Resistance to disinfection (iodophor, chlorhexidine acetate, bromogeramine solution)
- ◆Customized service available according to customer specific products,equipments,processing requirements
- ◆Platinum curing agent is recommended
- ◆Passed pyrogen,hemolysis,skin sensitization,skin irritation,in vitro cytotoxicity tests and ISO10993-4/5/10/11 and USP88 Class VI certification reports available



Model	TYE771-50BG	TYE771-60BG	TYE771-70BG	TYE771-80BG	TYE771-90BG
Item					
Appearance	Transparent	Transparent	Transparent	Transparent	Transparent
Hardness (HA)	52	62	72	82	90
Density	1.14	1.16	1.18	1.20	1.22
Tensile Strength(Mpa)	11.5	11.0	11.0	9.5	9.0
Elongation (%)	700	550	400	300	110
Tear Strength (N/mm)	35.0	35.0	42.0	30.0	25.0

- The data values are under the condition post-cured 2h at 200℃.
- Tear strength: Refer to ISO 34-1 Method B,procedure(a).

医用产品固体铂金喉罩管体、储液囊挤出胶

物性简介：

- ◆适用生产喉罩管体、储液囊管体等
- ◆出货20KG/箱, 适合挤出成型
- ◆喉罩管体二次定型效果好
- ◆高透明度, 抗黄性能好
- ◆储液囊管体优良挤出光滑性、良好的回复性
- ◆良好的综合物理性能, 优良加工性
- ◆可根据客户具体产品、设备、工艺情况, 进行客制化服务
- ◆建议适配铂金硫化剂
- ◆本款材料可通过热原、溶血、皮肤致敏、皮肤刺激、体外细胞毒性等试验并提供ISO10993-4/5/10/11以及USP88 Class VI认证报告



特 性	型 号			
	TYE771-40YB	TYE771-70YB	TYE771-30BG	TYE771-40BG
外观	透明 (B胶)	透明 (B胶)	透明	透明
产品类别	喉罩管体		储液囊管体	
硬度(SHA)	45	76	35	41
密度(g/cm³)	1.12	1.18	1.09	1.11
拉伸强度(MPa)	10	9.0	9.0	10.0
伸长率(%)	800	600	900	800
撕裂强度(N/mm)	30.5	41.5	20	22
回弹 (%)	/	/	60	57

- 以上数据为200℃*2h二次硫化后测试数据。
- 撕裂强度:ISO 34-1 Die B直角裁刀测试数据。

Medical grade platinum-cure HCR for laryngeal tube and reservoir tube extrusion

Features:

- ◆Suitable for the production of laryngeal tube and reservoir tube
- ◆Packaging:20kg/box,for extrusion
- ◆For laryngeal tube,with good post cure shaping effects after extrusion
- ◆High transparency and anti-yellowing
- ◆For reservoir tube, with excellent extrusion smoothness, good recovery
- ◆Good comprehensive physical properties and excellent process performance
- ◆Customized service available according to customer specific products, equipments,processing requirements
- ◆Platinum curing agent is recommended
- ◆Passed pyrogen,hemolysis,skin sensitization,skin irritation,in vitro cytotoxicity tests and ISO10993-4/5/10/11 and USP88 Class VI certification reports available



Item	Model			
	TYE771-40YB	TYE771-70YB	TYE771-30BG	TYE771-40BG
Appearance	Transparent (B part)	Transparent (B part)	Transparent	Transparent
for articles	laryngeal tube		reservoir tube	
Hardness (HA)	45	76	35	41
Density	1.12	1.18	1.09	1.11
Tensile Strength (Mpa)	10	9.0	9.0	10.0
Elongation (%)	800	600	900	800
Tear Strength (N/mm)	30.5	41.5	20	22
Rebound (%)	/	/	60	57

- The data values are under the condition post-cured 2h at 200℃.
- Tear strength: Refer to ISO 34-1 Method B,procedure(a).

医用产品固体铂金蠕动泵挤出胶

物性简介：

- ◆适用生产蠕动泵、电子输注泵管等
- ◆出货20KG/箱, 适合挤出成型
- ◆高耐打击寿命
- ◆性能稳定, 抗黄性能好
- ◆良好的综合物理性能, 优良加工性
- ◆可根据客户具体产品、设备、工艺情况, 进行客制化服务
- ◆适配铂金硫化, B胶+A剂模式
- ◆本款材料可通过热原、溶血、皮肤致敏、皮肤刺激、体外细胞毒性等试验并提供ISO10993-4/5/10/11以及USP88 Class VI认证报告



型号 特 性	TYE771-50CY1	TYE771-60CY1	TYE771-60CY2
外观	透明 (B胶)	透明 (B胶)	透明 (B胶)
成型方式	铂金挤出	铂金挤出	铂金挤出
硬度(SHA)	54	58	58
密度(g/cm³)	1.14	1.15	1.14
拉伸强度(MPa)	10.0	10.0	10.0
伸长率(%)	600	500	600
撕裂强度(N/mm)	40.0	35.0	38.0
回弹 (%)	60	60	60
压缩变形 (%)	20	15	17
打击寿命 (600r/min)	10d	10d	10d

- 以上数据为200°C*2h二次硫化后测试数据。
- 撕裂强度:ISO 34-1 Die B直角裁刀测试数据。

Medical grade platinum-cure HCR for peristaltic pump products extrusion

Features:

- ◆Suitable for the production of peristaltic pump and electronic injection pump tube articles
- ◆Packaging:20kg/box,for extrusion
- ◆Long life
- ◆Stable performance,good anti-yellowing
- ◆Good comprehensive physical properties and excellent process performance
- ◆Customized service available according to customer specific products,equipments,processing requirements
- ◆Platinum-cure type,supply as material with agent B pre-added+ A agent
- ◆Passed pyrogen,hemolysis,skin sensitization,skin irritation,in vitro cytotoxicity tests and ISO10993-4/5/10/11 and USP88 Class VI certification reports available



Model Item	TYE771-50CY1	TYE771-60CY1	TYE771-60CY2
Appearance	Transparent (B part)	Transparent (B part)	Transparent (B part)
Curing agent	platinum	platinum	platinum
Hardness (HA)	54	58	58
Density	1.14	1.15	1.14
Tensile Strength (Mpa)	10.0	10.0	10.0
Elongation (%)	600	500	600
Tear Strength (N/mm)	40.0	35.0	38.0
Rebound (%)	60	60	60
Compression set (%)	20	15	17
Strike Test (600r/min)	10d	10d	10d

- The data values are under the condition post-cured 2h at 200°C.
- Tear strength: Refer to ISO 34-1 Method B,procedure(a).

医用产品固体引流管挤出胶

物性简介：

- ◆适用生产圆形、十字形引流管等特殊管材
- ◆出货20KG/箱, 适合挤出成型
- ◆透明度良好, 透光率可达到86%
- ◆高撕裂强度, 高穿刺切口拉断力
- ◆良好的综合物理性能, 优良加工性
- ◆可根据客户具体产品、设备、工艺情况, 进行客制化服务
- ◆双二四硫化、铂金硫化为B胶+A剂模式
- ◆本款材料可通过热原、溶血、皮肤致敏、皮肤刺激、体外细胞毒性等试验并提供ISO10993-4/5/10/11以及USP88 Class VI认证报告



型号 特性		TYE771-40CG	TYE771-70CG	TYE771-40YP	TYE771-70YP
外观		透明	透明	透明	透明
成型方式		双二四挤出	双二四挤出	铂金挤出	铂金挤出
硬度(HA)		47	70	45	72
密度(g/cm3)		1.11	1.16	1.12	1.18
拉伸强度(MPa)		9.5	10.0	9.5	8.5
伸长率(%)		700	500	800	600
撕裂强度(N/mm)		35.0	45.0	40.0	50.0
切口实验 (Fr18)	1mm孔	58.57	80.74	60.35	91.35
	2mm孔	57.74	68.58	58.23	78.46
	3mm孔	52.09	64.30	55.34	70.29

- 以上数据为200℃*2h二次硫化后测试数据。
- 撕裂强度:ISO 34-1 Die B直角裁刀测试数据。

Medical grade HCR for drainage tube extrusion

Features:

- ◆Suitable for the production of circular,cross-shaped drainage tube and other special tube
- ◆Packaging:20kg/box,for extrusion
- ◆High transparency,transmittance reach 86%
- ◆High tear strength,high puncture incision tensile force
- ◆Good comprehensive physical properties and excellent process performance
- ◆Customized service available according to customer specific products,equipments,processing requirements
- ◆Platinum-cure type is supplied as material with agent B pre-added+ A agent
- ◆Passed pyrogen,hemolysis,skin sensitization,skin irritation,in vitro cytotoxicity tests and ISO10993-4/5/10/11 and USP88 Class VI certification reports available



Model Item		TYE771-40CG	TYE771-70CG	TYE771-40YP	TYE771-70YP
Appearance		Transparent	Transparent	Transparent	Transparent
Curing agent		DCBP	DCBP	platinum	platinum
Hardness(HA)		47	70	45	72
Density(g/cm3)		1.11	1.16	1.12	1.18
Tensile Strength(MPa)		9.5	10.0	9.5	8.5
Elongation(%)		700	500	800	600
Tear Strength(N/mm)		35.0	45.0	40.0	50.0
Incision test (Fr18)	1mm hole	58.57	80.74	60.35	91.35
	2mm hole	57.74	68.58	58.23	78.46
	3mm hole	52.09	64.30	55.34	70.29

- The data values are under the condition post-cured 2h at 200℃.
- Tear strength: Refer to ISO 34-1 Method B,procedure(a).

公司简介 COMPANY PROFILE

新安天玉有机硅有限公司 WYNCA TINYO SILICONE CO.,LTD

新安天玉有机硅有限公司是浙江新安化工集团股份有限公司2008年注资并购深圳天玉高分子材料有限公司后新成立的一家全资子公司。集团拥有从金属硅冶炼，到硅粉加工、单体合成，再到硅橡胶、硅油、硅树脂、硅烷偶联剂系列产品的生产，实现上下游产业链一体化发展，致力成为硅基新材料领域解决方案的全球领先者。是中国制造业500强，中国氟硅领军企业。

新安天玉有机硅有限公司采用国际先进水平的硅橡胶生产技术,生产能力为固体混炼胶40000吨/年；液体硅橡胶7000吨/年。2025年二期工厂产能预计增长50000吨/年，产品销往美国、日本、意大利、巴西等40多个国家和地区。

我们始终坚持“绿色化学创造美好生活”的发展使命，利用氯元素、磷元素、硅元素的循环技术，成为行业内循环经济模式的先行者，走环境友好型的发展道路，更好地服务社会、造福人类。

感谢您对新安集团有机硅产品的关注，期待您的业务垂询！

Wynca Tinyo Silicone Co., Ltd. is a wholly-owned subsidiary and newly established by Wynca group with its capital injection and acquisition of Shenzhen Tianyu Polymer Materials Co., Ltd. in 2008. The Group has developed a series of products from metal silicon smelting, silicon powder processing, monomer synthesis, and silicone rubber, silicone oil, silicone resin, and silane coupling agent, realizing the integrated development of the upstream and downstream industrial chain, and is committed to becoming the global leader in the field of silicon-based new materials solutions. It is one of the top 500 manufacturing enterprises in China and the leading fluorosilicone enterprise in China.

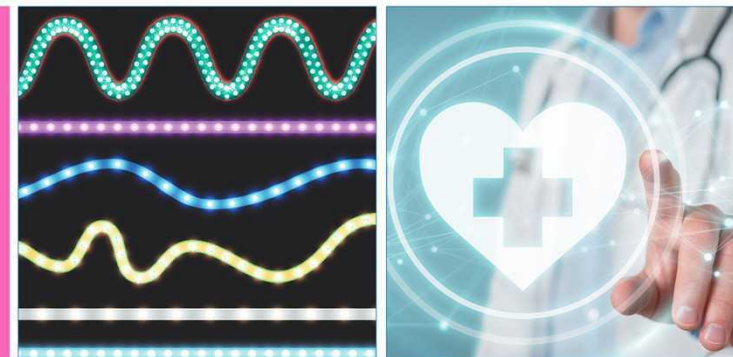
Wynca Tinyo Silicone Co., Ltd. adopts the internationally advanced silicone rubber production technology, with a production capacity of 40000 tons/year of High Temperature Vulcanizing (HTV); 7000 tons/year of Liquid Silicone Rubber(LSR). The production capacity of Phase II plant is expected to increase by 50000 tons/year in 2025, and the products will be sold to more than 40 countries and regions such as the United States, Japan, Italy and Brazil.

We have always shouldered the mission of " Environmental friendly chemicals create a better life.", use the recycling technology of chlorine, phosphorus and silicon to become the pioneer of the recycling economy mode in the industry, take the environment-friendly development path, and better serve the society and benefit mankind.

Thank you for your attention to the silicone products of Wynca Group, and look forward to your business inquiries!



产品应用领域 PRODUCT APPLICATION AREA



照明应用

医疗用品



电力通信



家电及电子电器



汽车配件



婴童用品



生活电器



生活用品



轨道交通

