



Wanda

Organosilicon

Organofunctional Silanes Manufacturer



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About Wanda

Shandong Wanda Organosilicon
New Materials Co., Ltd.



Hubei R&D Center



Shanghai Xinda Chemical
Industry Co., Ltd.



Qufu Wanda Chemical Industry
Co., Ltd.





Company profile



公司历史沿革 Company Growth

1986 Founded as Qufu 3rd Chemical Plant.

1993 Y-Chloropropyltrimethoxysilane, rated as National New products.

1997 Transformed to Qufu Wanda Chemical Industry Co., Ltd.

2001 Joined China Association of Fluorine & silicone industry.

2002 ISO9001 & ISO14001 Certified.

2010 Shanghai Xinda Chemical Industry Co., Ltd. established.

2010 Shandong Wanda Orgonosilicon New Materials Co., Ltd. established

2010 Start MS polymer project.

2012 Annual output of Vinyltri methoxysilane amounted to 5000MT.

2014 Annual capacity of 3-Glycidoxypropyl trimethoxysilane reached 4000MT.

2016 Hubei Factory established.

2019 MS sealant start production.

2020 MS Polymer Annual capacity: 3000MT
MS Sealant Annual capacity: 1000MT

2023 Shanghai Adhesives Exhibition and Sealant Exhibition



Company profile



公司构成



Shandong Wanda Orgonosilicon
New Materials (Plant)

01

03



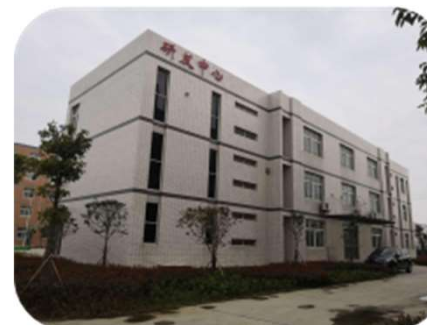
Shanghai Xinda Chemical
Industry Co., Ltd.



Qufu Wanda Chemical Industry(Plant)

02

04



Fubei New Xinda(Plant)



2



Products



Products



Silane

- Silane coupling agent.
- With basic silane technology, R&D silane oligomer, special structure silane;



MS Polymer

- Silane End-capped Polymer(SEP)



MS Sealant

- MS sealant/coating for construction, automotive, electronics, industry.





Silane Coupling Agent



有机官能团
Organofunction
Group

连接基
Linker

硅原子
Silicon
atom

可水解基团
Organofunction
Group

- Vinyl Silane
- Epoxy Silane
- Amino Silane
- Phenyl Silane
- Chloro Silane
- Isocyanate Silane
- Mercapto Silane
- Fluoro Silane
- Methacryloyl Silane
- Other special silane





Silane

Special Silane

CAS No.	Chemical Name	Code
15332-99-7	Vinyltriisopropenoxysilane	VIPS
69709-01-9	1,1,3,3-Tetramethyl-2-[3-(trimethoxysilyl)propyl]guanidine	GCF
15188-09-7	Vinyltris(tert-Butylperoxy)silane	VTPS
24801-88-5	3-Isocyanatopropyltriethoxysilane	NQ-885
15396-00-6	3-Isocyanatopropyltrimethoxysilane	NQ-886
15188-09-7	3-Isocyanatopropylmethyldiethoxysilane	NQ-881
33491-28-0	3-Isocyanatopropylmethyldimethoxysilane	NQ-882
	Amino silane oligomer	NQ-1126
	Vinyl silane oligomer	NQ-6598

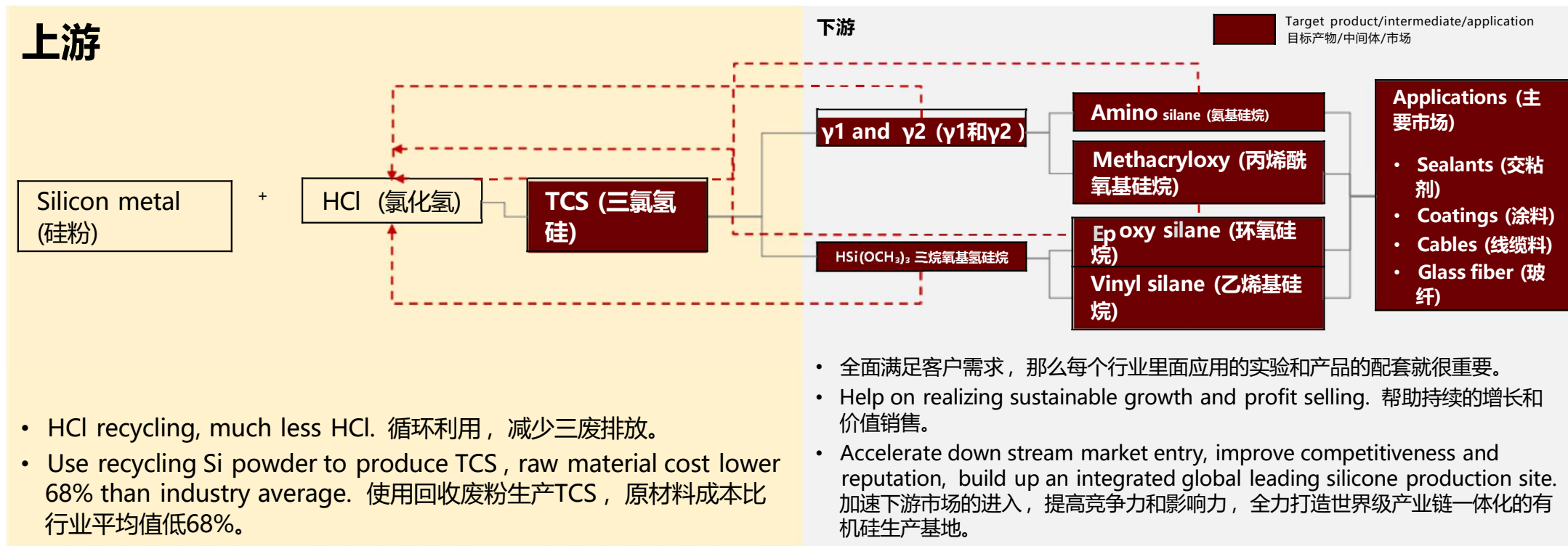
Also other special structure silane.



Silane



Complete Upstream to downstream production line



About Wanda

Business Domain

Main Silanes:

NQ-71/VTMO
NQ-56/GLYMO
NQ-3171/PTMS
NQ-55/AMEO
NQ-68/MTMS

Other Silanes:

Chloro- Silanes
Mercapto- Silanes
Fluoro- Silanes
Cross Linkers



Special Silanes:

VIPS, GCF
NQ-885 , NQ-886
Long Chain Silanes

New Projects:

Silanes-terminated
Polymers;
Silanes Oligomers;
Synthesis of Specialty
Siloxanes



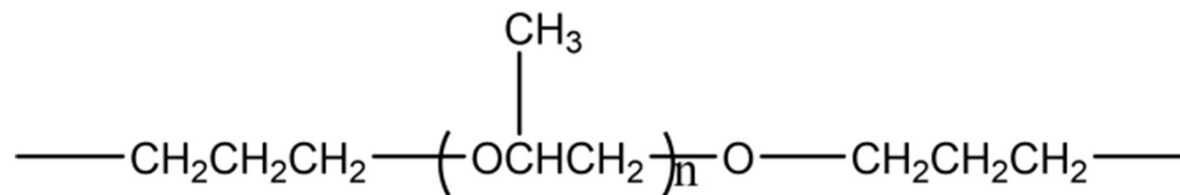
MS Polymer

MS polymer is silane endcapped polyether, where two ends are $(RO)_3\text{-Si}$, the main chain is PPO. Following is its structure: (R is CH_3 or C_2H_5)



Silane, normally end-capped by tri-alkyloxyl or di-alkyloxyl

Following is PPO structure:





MS Polymer



Code	Chemical Name	Viscosity(mPa.s)
M12	Trimethoxysilane Terminated Polyether	7000-10000
M330	Trimethoxysilane Terminated Polyether	25000-45000
M3001	Trimethoxysilane Terminated Polyether	30000-80000
M123	Dimethoxysilane Terminated Polyether	7000-10000
A12	α -Trimethoxysilane Terminated Polyether	7000-10000
A330	α -Trimethoxysilane Terminated Polyether	25000-45000





MS Sealant

What is MS Sealant?

There are different types of sealant defined based on their structure, such as:

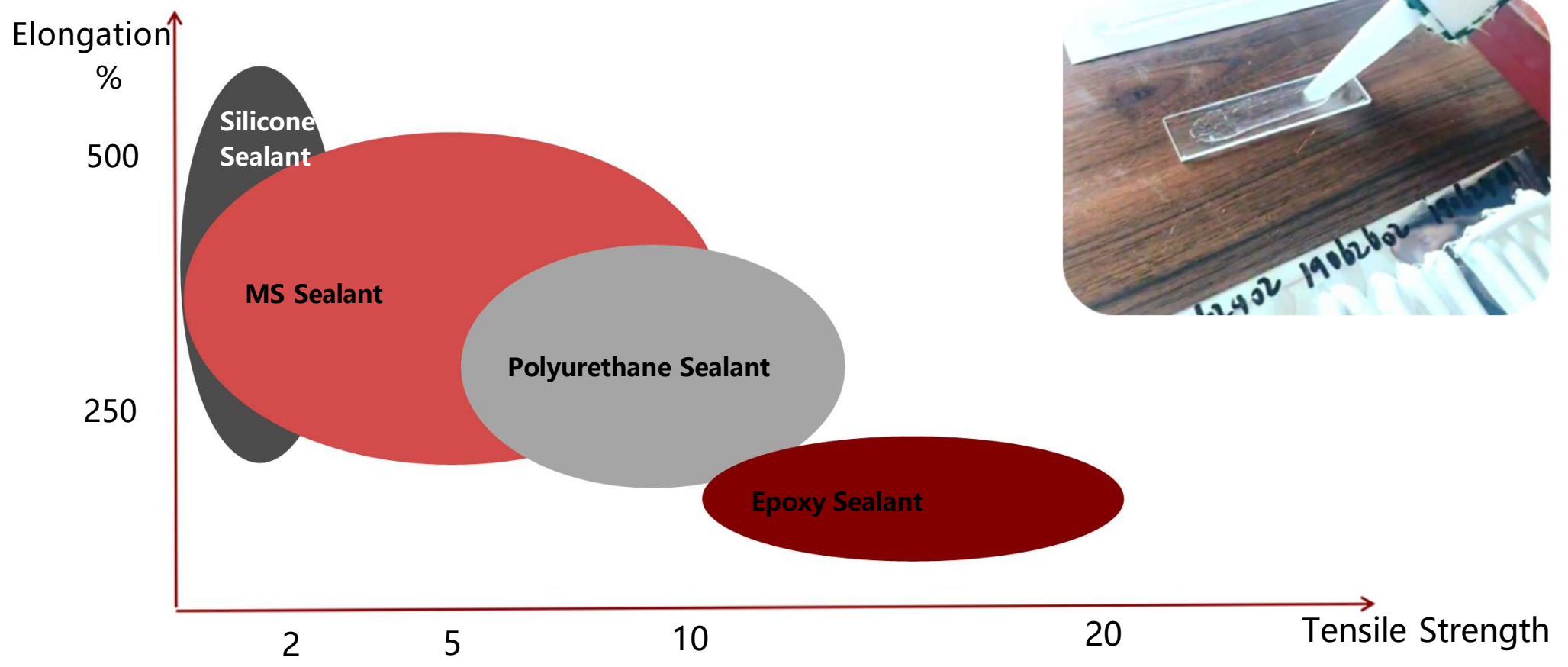
- | | | | |
|---|--------------------------|----------|---------------------------------|
| 1 | Oil-Base Caulks | 2 | Polysulfides |
| 3 | Latex Acrylic Sealants | 4 | Polyurethanes |
| 5 | Polyvinyl Acetate Caulks | 6 | Silicones |
| 7 | Solvent Acrylics | 8 | Silane Modified Polymers |
| 9 | Butyls | 10 | Others |





MS Sealant

MS Sealant performance compare to others:





Advantages of MS Sealant

Low VOC

Containing no solvent, no isocyanate, no small organic silicon molecule nor polymer.

Excellent Performance

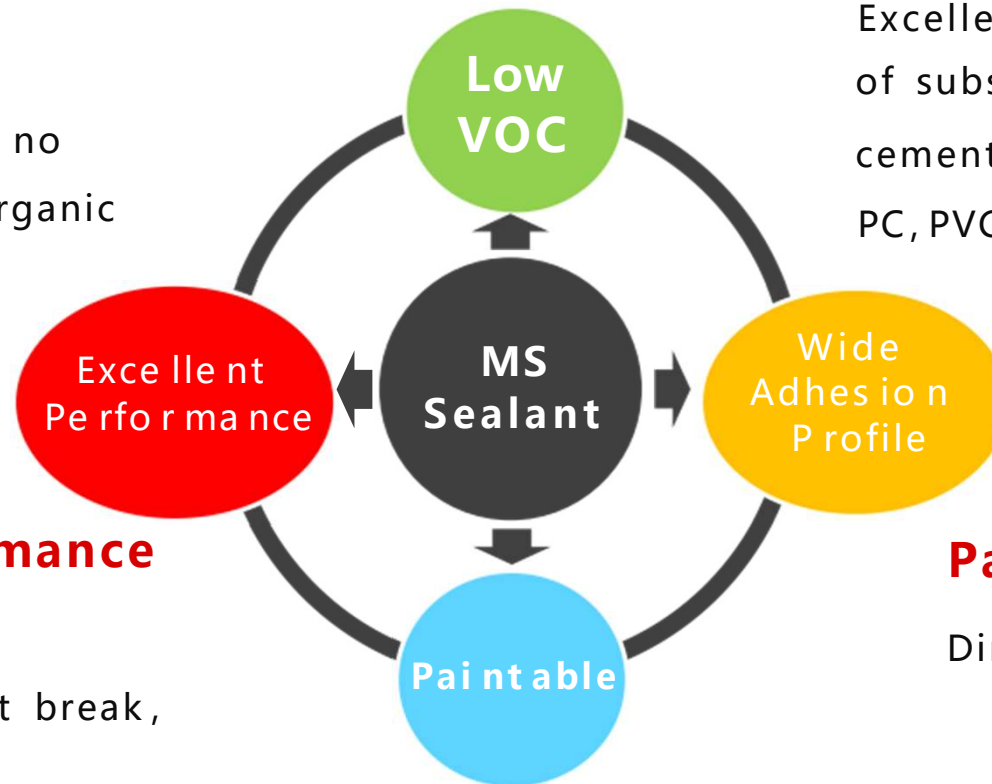
Wide range of tensile strength, elongation at break, hardness.

Wide Adhesion Profile

Excellent adhesive to wide range of substrates: e.g. concrete, cement, glass, aluminum, PC, PVC, ABS, PBT, etc,

Paintable

Directly paint on sealant.





3



Application



Silane Application

wandoa[®]
Formulate future

Sealant



Cables



Coating



Surface treatment



Fillers



Hydrophobic Treatment



MS Sealant/Coating Application



Industry



Transportation



Electronics



Construction



Construction

4



Certification



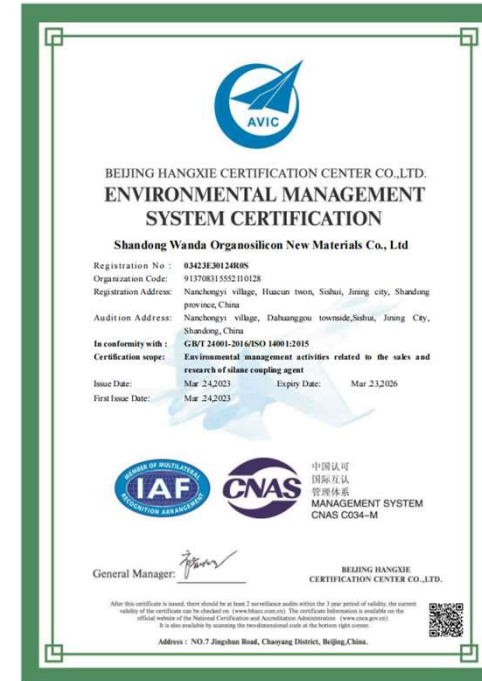
ISO certification



ISO 9001



ISO 14001





RoHS(EU) & Low VOC



RoHS(EU)



Low VOC

检测报告 Test Report

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报告编号 A2200354398101001E
Report No. A2200354398101001E

结论 Conclusion

测试样品 Tested Sample	依据标准/指令 According to standard/directive	结果 Result
提交样品 Submitted Sample	欧盟RoHS指令2011/65/EU及其修订指令(EU) 2015/863 RoHS Directive 2011/65/EU with amendment (EU) 2015/863	符合 PASS

符合表示检测结果满足欧盟RoHS指令2011/65/EU及其修订指令(EU) 2015/863要求的限值。
PASS means that the results shown on the report comply with the limits set by RoHS Directive 2011/65/EU with amendment (EU) 2015/863.

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报告编号 A2200354398102001E
Report No. A2200354398102001E

测试摘要 Executive Summary:

测试要求

TEST REQUEST

- GB 33372-2020 胶粘剂挥发性有机化合物限量 Limit of volatile organic compounds content in adhesive
- 挥发性有机化合物(VOC) Volatile Organic Compounds(VOC)

**测试结果
CONCLUSION**

符合 PASS

符合(不符合)表示检测结果满足(不满足)限值要求。

PASS (FAIL) means that the results shown on the report (do not) comply with the required limits.

GB 33372-2020 胶粘剂挥发性有机化合物限量 Limit of volatile organic compounds content in adhesive

▼挥发性有机化合物(VOC)Volatile Organic Compounds(VOC)

测试方法 Test Method: GB 33372-2020 6.2.3;

测试仪器: 烘箱

Measured Equipment: Oven

测试项目 Test Item(s)	结果 Result	方法检出限 MDL	限值 Limit	单位 Unit
	001			
挥发性有机化合物 Volatile organic compounds (VOC)	25	2	50	g/kg



Why Choose WANDA?



1

30 years of rich experience in Silane industry, with sustainable, stable and healthy development prospects.

2

From MS polymer to MS sealant, create more complete production chain.

3

Continued research & development of special silane & MS sealant.



THE END

Thanks!
