

CYS-HCS539N High Silica Chopped Strand

High Silica Chopped Strand is a kind of inorganic fiber, which is drawn and wined from glass marbles through a system of $\text{Na}_2\text{O}-\text{B}_2\text{O}_3-\text{SiO}_2$. High Silica Chopped Strand with low thermal conductivity and high temperature resistance is a kind of excellent high temperature insulator.

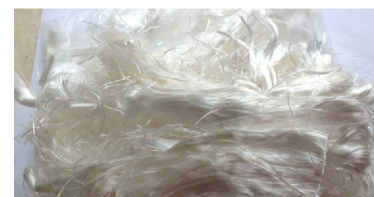
Product Features

- ★ High temperature resistance, heat resistance
- ★ Low thermal shrinkage, Low thermal conductivity
- ★ High electrical insulation
- ★ Ablation resistance: After two hours ablation in 1000°C , strands perform well
- ★ Non-toxic, asbestos-free, environmental friendly

Application

It is widely used in high temperature insulation field as below.

1. High silica needle mat production
2. High temperature insulation filling materials
3. High temperature-proof materials
4. Filtration materials: high temperature gas and liquid
5. Thermal insulation of spacecrafts, etc.



Type of Glass	High Silica
Product code	CYS-HCS539N/H

Technical Parameters

Product Code	CYS-HCS539N	CYS-HCS539H
Filament diameter	$9 \pm 3\mu\text{m}$	$9 \pm 3\mu\text{m}$
Cut length	50~100mm	6~100mm
SiO_2	>94%	>94%
Na_2O	< 0.8 %	< 0.8 %
Moisture content	<7%	<1%
Temperature Resistance	>1000 $^\circ\text{C}$	>1000 $^\circ\text{C}$
Loss on Ignition at 1000 $^\circ\text{C}$	<12%	<4%
Preshrunk Treatment	without	Preshrunk

Packaging

waterproof bag + carton + pallet

Packing	40 kgs/bag, 20bags/pallet
Qty/20' FCL	20 pallets
NW/20' FCL	16000kgs



40kg/bag
bags/pallet
Pallet size(mm)
1140*1140*1100

Chopped Strands Packing
Pallet packaging illustration

Storage

High Silica chopped strand should be stored in its original packaging in a dry and cool place. Best conditions are at temperatures from 15 to 35 $^\circ\text{C}$ and humidity between 35 and 65%. To ensure safety and avoid damage to the product, the pallets should not be stacked more than three layers high, when the pallets are stacked in 2 or 3 layer, care should be taken to correctly and smoothly move the top pallet.



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CYS-HCS539N 高硅氧短切纱

高硅氧短切纱是一种耐高温的无机纤维，采用 $\text{Na}_2\text{O}-\text{B}_2\text{O}_3-\text{SiO}_2$ 三元系统的玻璃球经拉丝、退烘、后处理、短切而成的。具有低导热系数、耐高温的高硅氧短切纱是一种优异的耐高温绝缘材料。

产品特性

- ★ 优良的耐高温、耐热性能
- ★ 低热收缩率，低导热系数
- ★ 优异的电绝缘性能
- ★ 优良的耐烧蚀性
- ★ 无毒、无石棉，环境友好型

应用

高硅氧短切纱广泛应用于以下高温绝缘领域：

1. 高硅氧针刺毡的原材料
2. 耐高温绝缘填充材料
3. 防热隔热材料
4. 高温过滤材料：高温气体、液体
5. 航天飞行器的防热抗烧蚀及透波材料



玻璃类型	高硅氧纤维
产品型号	CYS-HCS539N/H

技术参数

产品型号	CYS-HCS539N	CYS-HCS539H
单丝纤维直径	$9 \pm 3\mu\text{m}$	$9 \pm 3\mu\text{m}$
短切长度	50~100mm	6~100mm
SiO_2 含量	>94%	> 94%
Na_2O 含量	< 0.8 %	< 0.8 %
水分含量	<7%	< 1%
耐热温度	>1000 $^\circ\text{C}$	> 1000 $^\circ\text{C}$
1000 $^\circ\text{C}$ 的烧失量	<12%	< 4%
处理	无	预收缩处理

存储

在没有特殊要求的情况下，高硅氧短切纱应贮存在干燥、凉爽的地方，防止受潮，产品在使用前应始终保存在原包装内。建议保持室内温度平衡，最佳贮存条件为15~35 $^\circ\text{C}$ ，湿度35~65%。为确保安全，避免损坏产品，托盘的堆码高度不应超过三层。当堆放两层或三层高时，要求正确地、平稳地移动上面的托盘。

包装

防水袋 + 纸箱 + 托盘

包装	40 kgs/袋, 20袋/托盘
Qty/20' FCL	20 托盘
NW/20' FCL	16000kgs



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