

12 气相二氧化硅 Fumed silica

1. 产品简介 Product Profile

清远市鑫辉化工有限公司气相法二氧化硅是经过高度提纯的四氯化硅在氢氧焰中高温水解反应而制成，生成的二氧化硅再经过脱氯化氢工序和冷却工序制作而成的亲水型气相法二氧化硅。

Fumed silica of Qingyuan City Xinhui Chemical Co., Ltd. is manufactured by controlled combustion of highly purified chlorosilanes with oxygen and hydrogen. A schematic diagram is given below. The silica generated in the flame is transported to HCL removal process, cooling process, that be made from hydrophilic fumed silica.

2. 物化数据 Physical and chemical data

产品型号	比表面积 (m^2/g)	干燥损失 (105°C/2h)	灼烧损失 (1000°C/2h)	堆积密度	pH值 (5%水悬浮液)	二氧化硅 含量(干基)
Product No.	Specific surface area	Loss on drying	Loss on ignition	Bulk density	pH wert (5% in water)	Silica content (dry basic)
	m^2/g	%, ≤	%	g/100g		%, ≥
MD-150	150±20	3.0	2.5	40-60	3.5-4.5	99
MD-200	200±30	3.0	2.5	40-60	3.5-4.5	99
MD-968	300±35	3.0	2.5	50-70	3.5-4.5	99

3. 主要特性 main Features

◆在涂料、不饱和聚酯体系中，作为增稠剂和触变剂使用。

Fumed silica is used in coating, unsaturated polyester, polyester system as thickeners and thixotropic agent.

◆在硅橡胶体系中，可以提高补强、拉伸、耐磨损等作用。

Fumed silica is used in silica rubber system that can enhance reinforce, stretching and anti-attribution.

◆在含有颜料的溶液中，可以起到防止沉淀的作用。

Fumed silica is used in pigment solution that can to prevent sediment.

◆在粉末涂料中，可以有效的提升流动性和抗结块性。

Fumed silica is used in powder coating that can promote fluidity and caking resistant effectively.

4. 应用领域 Application areas

涂料体系、硅橡胶、胶黏剂、印刷油墨等

coating system, silica rubber, adhesive, printing ink etc.

5. 包装 Packing

净重5kg/包或10kg/包 net weight 5 kg/bag or 10 kg/bag

6. 储存 Storage

产品开包后，未使用完的产品应扎紧袋口，尽快用完，避免受潮，影响产品质量。

Once opened, the bag must be tightened in order to prevent the rest of the product from damp and pollution.

