



DATA-SHEET

SPECIFICATION & DATA SHEET 物质规格数据表		Chemical Analysis: 化学分析	
Product Code 产品编码	VA0160 2 095 42	Chemical Name 化学名称	Insoluble Sulfur 不溶性硫磺
Trade Name 商品名称	Vulcanization agent OT33AS 硫化剂 OT33AS	Molecular Weight 分子量	256.50
Molecular Formula: 分子式	(S ₈) _n	CAS No. CAS 编号	Polymeric Sulfur 9035-99-8
			Rhombic Sulfur 7704-34-98
			Silicon dioxide 7631-86-9
			High pressure and hydrotreated naphthenic oil 64742-52-5
Synonym 同类名称	Crystex OT33AS		

Product Information: 产品资料

***Specification 规格

Appearance (visual inspection): 外观(目测)	Non-rised yellow powder 黄色不飞扬粉末	Loss on drying % ≤ 加热减量% ≤	0.50
Residues (150µm) % ≤ 筛余物(150µm) % ≤	0.50	Ash Content %(with 8% Silica) ≤ 灰份(含 8%的二氧化硅)% ≤	8.05
Element Sulfur content % 元素硫含量%	67.0±1.0	Acid Content (as H ₂ SO ₄)% ≤ 酸含量% ≤	0.05
Oil Content% 油含量%	25.0±1.0	Insoluble Sulfur Content % (On total S) ≥ 不溶性硫磺含量 (占总硫元素) % ≥	90.0

***Typical Properties 主要特性

Non-rised yellow powder with slight odor, non-toxic. OT33AS is not stable and can convert to soluble sulfur. OT33AS is insoluble in CS ₂ and in water.	黄色不飞扬粉末、稍有气味、无毒，性质不够稳定，遇热容易降解转化成可溶性硫磺。不溶于二硫化碳和水。
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***Recommended Applications 应用推荐

Because insoluble sulfur is metastable temperature should be kept as low as possible during mixing. Between 100-130°C significant reversions can take place to soluble sulfur. Insoluble sulfur reversion can take place if it is in direct contact with alkaline components. Due to the optimal dispersion during mixing stage, it seldom appears electrostatic charge accumulating and form agglomerates.	属于和种亚稳态物质，所以混炼温度应尽可能低。在 100-130°C 时，不溶性硫磺将发生明显的还原，转化成为可溶性硫磺。若与碱性化合物直接接触，不溶性硫磺将发生转化。由于分散性好，很少出现混炼静电积聚，产生结团从而影响混炼效果。
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***Handling and Storage recommendations 推荐操作储存条件

OT33AS should be stored in a well-ventilated area below 30°C, Avoiding exposure of the packaged product exposure to direct sunlight. Do not store near products that can emit free amines. 12 months with the common storing condition. Recommend use of date is within 6 months. the reversion rate is less than 1%/year when stored in closed containers below 20 °C.	储存温度低于 30°C。通风要良好，避免阳光直射，不可贮存在会释放游离胺和其它胺类物质。 保质期：12 个月，建议最佳使用期：6 个月以内。当储存温度低于 20 度时，其一年内的降解率低于 1%。
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***Package 包装

Bag: 25kg/bag 包装: 25kg/包	Pallet(1.1*1.1*0.1): 900kg/P 托盘(1.1*1.1*0.1) : 900kg/P
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