

不溶性硫磺

INSOLUBLE SULFUR

INSOLUBLE SULFUR 60

化学名称

聚合硫

Chemical Name

Polymer Sulfur

分子式/Molecular Formula

 S_n

CAS 编号/CAS No.

9035-99-8

技术指标/Specification

项目/Item	IS 60
外观(目测)/Appearance	黄色粉末/Yellow powder
加热减量 (80°C±2°C) /Loss on Drying, % ≤	0.50
灰分 (600°C±25°C) /Ash, % ≤	0.15
筛余物 (150μm) /Residue on Sieve, % ≤	1.00
酸度 (以 H ₂ SO ₄ 计) /Acidity, % ≤	0.05
总硫含量/Total sulfur content, % ≥	99.5
不溶性硫含量/Insoluble Sulfur Content, % ≥	60.0

性状

无毒、可燃，黄色粉末。为硫的同素异构体，称μ型硫，呈高聚合形态，不溶于二硫化碳及其他溶剂。μ型硫不稳定，能逐渐转变为立方晶型硫，室温时几星期有 50%转变，80°C时只要几分钟就起变化，为此，需加入稳定剂，以降低其转变速度。

Properties

Nontoxic, combustible, yellow powder. As with the S-isomer, said mu-sulfur, high polymerization forms, not soluble in carbon disulfide and other solvents. Mu-sulfur instability can be gradually transformed into cubic crystal-sulfur, a few weeks at room temperature 50% change, as long as 80°C with changes in a few minutes, this need by adding stabilizer to reduce its rate of change.

用途

不溶性硫磺主要用于橡胶工业，作为硫化剂时使橡胶制品表面不喷霜，能增进钢-胶粘合性，由于在胶中分布均匀，能保证硫化质量，是最佳的橡胶硫化剂，故广泛用于轮胎的胎体胶料，尤其是全钢丝子午轮胎中，也可用于电缆，胶辊，胶鞋等橡胶制品的胶料中。

Application

Insoluble sulfur is mainly used in rubber industries, as curing agents make rubber surface spray cream, which will improve the steel-adhesive binding, because the plastic uniform distribution, which would ensure the quality of vulcanization, is the best rubber curing agent, it is widely used tire carcass compound, in particular meridian tires all steel, can also be used for cable, cots, rubber products such as rubber compound.

包装

25kg 牛皮纸袋。

Package

25kg kraft paper bag.

贮存

应储存在阴凉干燥、通风良好的地方。包装好的产品应避免阳光直射，有效期 1 年。

Storage

The product should be stored in the dry and cooling place with good ventilation, avoiding exposure of the packaged product to direct sunlight. The validity is 1 years.