

K-Sul 33

K-Sul 33 (Insoluble Sulfur OT) is a kind of nontoxic and flammable yellow powder. It's an allotrope of the ordinary sulfur and a linear polymer formed by the polymerization of a large number of sulfur atoms, which is insoluble in the carbon disulfide, other solvents and rubber, thus, it's called **K-Sul 33** or polymeric sulfur and its short name is IS. According to different percentages of oil content, it can be divided into oil-extended and non-oil-extended products. At present, most of the **K-Sul 33** we produced is used in the rubber industry.

SPECIFICATIONS

PROPERTIES	NOMINAL VALUE
Appearance	Non-Flying Yellow Powder
Total Sulfur Content % \geq	66.0 – 68.0
Insoluble Sulfur Content (In Total Sulfur) % \geq	90.00
Oil Content %	32.0 – 34.0
Acidity (H ₂ SO ₄) % \leq	0.05
Heat Loss (80 °C) \leq	0.50
Ash Content % \leq	0.30
Residues on 150 μ m Sieve % \leq	1.00
Thermostable Sulfur (105 °C / 15 minutes)	75.00

PROPERTIES

- Keep the components and properties of rubber material uniform and prevent blooming during the storage period and polluting to its products or models.
- Keep the adhesiveness on the rubber material surface and prevent migration between two adjacent layers.
- Reduce scorching during mixing and storage period.

APPLICATION

K-Sul 33 as an advanced accelerator and vulcanizing agent, is widely used in the manufacture of tires and other rubber products, such as carcass materials, buffering materials, side wall materials, retreading materials, rubber hoses, belts and other rubber materials, as well as rubber products like cables, rubber rollers, oil seals, rubber shoes, etc., or even used in light-colored rubber products which need a large amount of sulfur. **K-Sul 33** can make the radical, steel wires and rubber stick more firmly, effectively prevent the rubber materials from blooming and improve the heat resistance and wear resistance of the tires, therefore, **K-Sul 33** is an essential raw material for producing tires.

PACKAGING

Packed in a 25kg kraft paper bag lined with PE plastic bags

STORAGE

Stored in the cool, ventilated and dry place at room temperature (can't exceed 40°C). Prevent them from fire, heat, moisture and agglomeration. Avoid storing and mixing with alkaline and amine products. The quality guarantee period is one year.