



# HENAN KAILUN CHEMICAL CO.,LTD

Add: Lijiang East Rd,Huaxian Industrial Agglomeration Area,Henan ,China

Tel: 0086-372-8112391 / 0086-18567812865 Fax: 0372-372-8112724

Website: www.kailunchem.com Email: jackyliu@kailunchem.com

## Technical Data Sheet

### Insoluble Sulfur

CAS No. : 9035-99-8

Chemical Name : Polymer sulfur

Technical Specification :

| Item                                     | Technical Specifications     |               |               |               |               |               |               |               |               |               |               |
|--|------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
|  | HD OT-20                     | HS OT-10      | HS OT-20      | HS OT-33      | IS-8010       | IS-7520       | IS-7020       | IS-6033       | IS-6010       | IS-6005       |               |
| Appearance                               | Yellow and non-rising powder |               |               |               |               |               |               |               |               |               |               |
| Element Sulfur Content                   | % MIN                        | 78.5~<br>81.5 | 89.0~<br>91.0 | 79.0~<br>81.0 | 66.0~<br>68.0 | 89.0~<br>91.0 | 79.0~<br>81.0 | 79.0~<br>81.0 | 66.0~<br>81.0 | 89.0~<br>91.0 | 94.0~<br>96.0 |
| Insoluble Sulfur Content                 | % MIN                        | 72            | 81            | 72            | 60            | 81            | 75            | 72            | 60            | 60            | 60            |
| Oil Content                              | % MIN                        | 18.5~<br>21   | 9.0~<br>11.0  | 19.0~<br>21.0 | 32.0~<br>34.0 | 9.0~<br>11.0  | 19.0~<br>21.0 | 19.0~<br>21.0 | 32.0~<br>34.0 | 9.0~<br>11.0  | 4.0~<br>6.0   |
| Acidity(H <sub>2</sub> SO <sub>4</sub> ) | % MAX                        | 0.05          |               |               |               |               |               |               |               |               |               |
| Loss on heating(80°C±2°C)                | % MAX                        | 0.50          |               |               |               |               |               |               |               |               |               |
| Ash(600°C±25°C)                          | % MAX                        | 0.15          |               |               |               |               |               |               |               |               |               |
| Residues on 150µm Sieve                  | % MAX                        | 1.00          |               |               |               |               |               |               |               |               |               |
| Thermal Stability(105°C)                 | % MIN                        | 75.00         |               |               |               |               |               |               | _____         |               |               |
| Thermal Stability(120°C)                 | % MIN                        | 45.00         |               |               |               | _____         |               |               |               |               |               |

Properties :

Nature nontoxic,combustible,yellow powder.As with the S-isomer,said mu-sulfur. High polymerization forms were insoluble in carbon disulfide and other solvents.

Application :

Insoluble Sulfur used 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.

Package :

In woven bag or kraft paper bag lined with PE film bag.  
Net weight: 25Kg/Bag.

Storage :

The product should be stored in a dry and cooling place with good ventilation.

Precaution :

Please refer to the appropriate material safety data sheet (MSDS) prior to Using this product.  
FOR INDUSTRIAL USE ONLY.

Disclaimer :

All information on this data sheet is based on laboratory testing and is not Intended for design purposes.