



TECHNICAL DATA SHEET

INSOLUBLE SULFUR - Rubber Vulcanizing Agent HD OT20 (IS-HD-7020 high thermal stability high dispersion)

Product Introduction

Insoluble sulfur is not soluble in carbon disulfide. Its name is high polymer sulfur, IS for short, which contains oil extension in different quantity. IS series of oil extension and non oil are divided. With the development of the radial truck tire industry, we have developed and manufactured highly thermal stability and high dispersion IS-HD series of products, especially improved the stability and dispersion with temperature condition 120°C×15min.

Insoluble sulfur is a new rubber vulcanizing agent with which high quality of rubber products can be improved and the defects of ordinary sulfur can be made up.

Product Advantage

1. No blooming during the storage of rubber, keeping the performance of rubber composition to avoid bad adhesion to rubber due to the bloom. Pollution between rubber and mould is thus prevented.
2. No transfer in an adjacent adhesive layer, keeping the surface of rubber for adhesive molding.
3. A reduction in scorching in mixing and storage.
4. A reduction of sulfur by shortening curing time for improvement of ageing property of rubber products.
5. Strengthening of adhesion rubber to other materials.
6. High stability and dispersion, minimum 30% insoluble sulfur remained with temperature condition 120°C×15min.



Technical Specification

Appearance:	Yellow Powder (Non-flying)
Sulphur Content (%):	80.0±1.0
Insoluble Sulphur Content (% min.):	72
High temp. Stability (% min.) (105℃*15min):	75
High temp. Stability (% min.) (120℃*15min):	30
Oil Content (%):	20.0±1.0
Acid Content (As H₂SO₄), % max.:	0.05
Heating Loss (60℃*2h), % max.:	0.40
Ash % max.:	0.15
Fineness(100mesh) % min.:	99.8

We may sign an agreement on specification in cases the users have special requests.

Product Standards

Q32020GQJC02-2011

Package and Transportation

25 kg PP plastic woven bag lined with PE plastic packaging. The product should be stored at room temperature in a cool, ventilated, dry place, storage temperature not exceeding 40 °C to observe the fire, heat, moisture, anti-pressure agglomeration, cannot be mixed with alkaline amines. The shelf life is 12 months.

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