

	<b>TECHNICAL DATA SHEET</b>	FT - 0209-47
	<b>INSOLUBLE SULFUR HD-OT20</b>	Rev. 01

## DESCRIPTION

Insoluble sulfur is not soluble in carbon disulfide. Its name is high polymer sulfur, IS for short, which contains oils 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 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 is made up.

## ADVANTAGES

- I. 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.
- II. No transfer in an adjacent adhesive layer, keeping the surface of rubber for adhesive molding.
- III. A reduction in scorching in mixing and storage.
- IV. A reduction of sulfur by shortening curing time for improvement of ageing property of rubber products.
- V. Strengthening of adhesion rubber to other materials.
- VI. High stability and dispersion, minimum 40% insoluble sulfur remained with test temperature condition 120°C×15min.

## PRODUCT STANDAR

Q32020GQJC02-2013

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**CHARACTERISTICS**

<b>DETERMINATION</b>	<b>Unit</b>	<b>Value</b>	<b>Observations</b>
Appearance			Non flying yellow powder
Sulfur Content	%	80.0 ± 1.0	Minimum
Insoluble Sulfur Content (on Total sulfur)	%	90.0	Minimum
High temp. Stability 105°C/15 min (on total S)	%	75.0	Minimum
Oil Content	%	20.0 ± 1.0	Maximum
Acid Content (as H <sub>2</sub> SO <sub>4</sub> )	%	0.05	Maximum
Ash Content	%	0.05	Maximum
Sieve residue on 230 ASTM (0.063 mm)	%	2.0	Maximum
Sieve residue on 120 ASTM (0.125 mm)	%	0.5	Maximum
Maximum storage time	Months	12	

**PRESENTATION AND TRANSPORT**

PP plastic woven bag lined with PE plastic packaging:

25 Kg

Storage: room temperature in a cool, ventilated, dry place, not exceeding 40 °C to observe the fire, heat, moisture, anti-pressure agglomeration, cannot be mixed with alkaline amines.



Does not require ADR/IMO for road or maritime transport

Revision date: May 2017