

Technical Data Sheet**PRODUCT NAME: SUNSULF SL OT 10 HS****Product Descriptions:**

SUNSULF SL OT 10 HS is chemically polymeric sulfur; it is special grade of **SUNSULFS** having better thermal stability even at elevated temperature, resist to reversion to soluble sulfur consequently gives better bloom protection property. It widely used in tire industries for vulcanization.

Active Advantages:

- ❖ Due to insolubility in elastomers, it retards bin scorch and prevent migration of sulfur
- ❖ It also helps to preserve the surface tack
- ❖ It is specialty product having improved flowability and dispersibility
- ❖ It is non staining and non discoloring to finished product

Basic Properties:

- ❖ Appearance : Fine yellow powder
- ❖ Total Sulfur Content : 90± 1.4% (% by weight)
- ❖ Insol. Sulfur Content* : 90 Min (% by weight)
- ❖ Oil Content : 8.5-11.5 (% by weight)
- ❖ Ash Content : 0.05 Max (% by weight)
- ❖ Acidity (as H₂SO₄)% : 0.05 Max
- ❖ Fineness Retention : 0.2 % (on wet screen)
100 Mesh

*Insoluble in Carbon disulphide.

Area of Application:

- ❖ Tire Industries and other piled-up rubber products.

Compounding Instruction:

- ❖ **SUNSULF SL OT 10 HS** is metastable, therefore temperatures should be kept as low as possible during mixing.
- ❖ Between 100°C to 120°C, significant reversion of insoluble sulfur to soluble sulfur can take place.
- ❖ In case pre-mixes are produced of **SUNSULF SL OT 10 HS** and other vulcanization chemicals, reversion can take place if **SUNSULF SL OT 10 HS** is in contact with the alkaline components.

Safety & Handling:

For safe handling must be follow instruction as under:

- ❖ It should be stored in cool and dry place sealed original pack.
- ❖ Avoid additives, contact with human body, wear gloves & mask during the handling the polymer lumps.
- ❖ In case of body contact carefully wash with acetone and alcohol, after that thoroughly clean with soap and water.
- ❖ In case of eye contact, wash with running water for about 15-20 minutes and treat under the supervision of medical officer only.

Storage Conditions:

- ❖ It should be stored in dry place temperature in between 4-40 centigrade in original pack kept tightly closed.

Disclaimer: All suggestions for use of our recommended products cited here are based on the results of tests carried out in our R&D lab and correct to the best of our knowledge and belief. However, no legal liability can be accepted with respect of such information as we cannot control the application procedures adopted by our users. We suggest having a pilot trial for the users prior to full commercialization of this product.