



Technical Data Sheet

Diamond Sulf 35 (DS 35)

Product Description

DS 35 is a mixture of *Homo-Polymer of Sulfur, Rhombic Sulfur & Coating Oil*. It is a relatively non-blooming vulcanizing agent for unsaturated elastomers. Being a grade of Insoluble Sulfur, it is partially insoluble in carbon disulfide.

Technical Specification

Description	Product Specification (%)	Ref. Test Method
Total Sulphur	75.5 – 78.5	
Insoluble Sulphur	35 min	ASTM D 4578
RMS	42 max	
Oil Content	21.5 – 24.5	ASTM D 4573
Ash content	0.20 max.	ASTM D 4574
Heat Loss	0.50 max.	ASTM D 4571

Physical Appearance: Fine yellow powder.

Recommended Dosage factor of this grade: 1.30 x (desired phr of sulfur)

Application and Advantages

DS-35 is a special pre-mix grade having blend of Insoluble Sulphur (IS) & Rubber Maker Sulphur (RMS) in coating-oil which disperses easily into rubber matrices due to presence of high amount of soluble sulphur as well as coating-oil in it. By using this grade, the user can eliminate the process of mixing RMS with IS, thus saving production & manpower costs & increase in production efficiency. Because of presence of Insoluble Sulphur, this grade is having better blooming resistance than pure Rubber Maker Sulphur.

Note: The above mentioned proportion of IS : RMS can be altered based on the end-user requirement.

Shelf – Life : 1 year from the manufacturing date (subject to the storage in dry ambience and at room temperature)



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Storage Condition

Store in cool, dry place with proper ventilation, away from acid, bases, oxidizing agents, amines, direct sunlight and source of heat or ignition

Environmental Precautions

Prevent leakage or spillage. Do not let the product to enter drains. Discharge into the environment must be avoided. Keep material in proper packing and ventilated storage.

Safety Precautions

Use tight-fitting goggles, face shield or safety glasses with side shields if there is any chance of eye contact. Avoid skin contact. Use chemically resistant gloves (Nitrile rubber or Neoprene gloves preferred), boots, and apron if risk of contact persists.

Please refer to the appropriate Safety Data Sheet (SDS) for details.

Packaging

For International market, 25 Kg Paper Bag, 700 Kg Big Bag, 1000 Kg Big Bag & 1200 Kg Big Bag

For domestic market, 25 Kg HDPE/PP Bag

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