

**SOVEREIGN CHEMICAL COMPANY**

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Sunsine HD-OT20 Oiled Powder

Manufacturer Shandong Sunsine Chemical Co., Ltd.

Classification Sulfur

Chemical Composition

Empirical Formula: S (n)
Molecular Weight: 256.5 g
CA Nomenclature: Polymeric Sulfur

Physical Data**Specification Properties**

	Value	Test Method
Element Sulfur Content, %	78.5-81.5	ASTM D 4574
Insoluble Sulfur Content, % on total S	90.0 Minimum	ASTM D 4578-89
Oil Content, %	18.5-21.5	ASTM D 4573-02
Heat Loss, @ 60°C	0.50 Maximum	ASTM D 4571-02
Ash, %	0.30 Maximum	ASTM D 4574-02
Acidity, %	0.05 Maximum	ASTM D 4569
High Temperature Stability, % 105 °C x 15 min	75.0 Minimum	Supplier

Typical Properties

Physical Form	Yellow powder	Visual
Specific Gravity	1.57	Typical

Applications

Non-staining, non-coloring Sulfur curing agent. Used to retard bin scorch, prevent migration of sulfur and preserve surface tack which is important in the manufacture of tires and other plied-up rubber goods.

Packaging, Storage and Handling

Packaging: 25 Kg (55.1 lb) bag

Shelf Life: 2 years if stored as indicated below.

Storage: Store in a well ventilated area below 30°C, avoiding direct sunlight. Do not store near products that can emit free amines such as sulfenamides and DTDM. Amines and other alkaline vapors cause **Sunsine HD-OT20** to revert to Rubber Maker Sulfur at any temperature. High temperatures also cause reversion to Rubber Maker Sulfur.

Specification Date: July 9, 2012 (Supersedes: June 7, 2012)