



**DATA-SHEET**

SPECIFICATION & DATA SHEET		Chemical Analysis:	
Product Code	MSHQD -VA032-04 OT	Chemical Name	Polymeric Sulfur
Trade Name	Rubber Vulcanization Agent HIS 70-20	Molecular Weight	256.50
Molecular Formula:	S <sub>8</sub>	CAS No.	Polymeric Sulfur 9035-99-8
			Rhombic Sulfur 7704-34-9
			High pressure and hydrotreated naphthenic oil 64742-52-5
Revision number	02	Date	01/12/2009

Product Information:

\*\*\***Specification**

Appearance (visual inspection):	Non-rised yellow powder	Acidity ( as H <sub>2</sub> SO <sub>4</sub> ) %	0.05
Ash Content %	0.05	Loss on drying % :	0.50
Stability in high temperature (105 15 minutes) insoluble sulfur content (On total S) %	75.0	Insoluble Sulfur Content %(On total S)	90.0
Element Sulfur content %	80.0±1.0	Residues (63um)%	0.50
Oil Content %	20.0±1.0	Specific gravity at 20 (g/cm <sup>3</sup> )	1.60-1.70

\*\*\***Typical Properties**

Yellow powder with slight odor, non-toxic. HIS 70-20 is not stable and at vulcanization temperatures HIS70-20 will de-polymerize to soluble sulfur. HIS 70-20 is insoluble in CS<sub>2</sub> and in water.

\*\*\***Recommended Applications**

HIS 70-20 is a non-blooming vulcanizing agent for unsaturated. It is polymeric sulfur and is insoluble in elastomers.so it will retard bin scorch, prevent migration of sulfur and preserve surface tack. This is important in the manufacture of tires and other plied up rubber goods. HIS 70-20 is a special grade with high thermal stability. It is used in compounds containing a relatively large sulfur loading above the solubility of sulfur in the elastomer.

\*\*\***Handling and Storage recommendations**

HIS 70-20 should be stored in a well-ventilated area below 30 ,avoiding exposure of the packaged product exposure to direct sunlight. Do not store near by alkaline. 12 months with the common storing condition. Recommend use of date is within 6 months.

\*\*\***Package**

Bag : 25kg/bag	Pallet(1.1*1.1) : 900kg/P
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