



DATA-SHEET

SPECIFICATION & DATA SHEET		Chemical Analysis:	
Product Code	MSHQD -VA030-04 OT	Chemical Name	Polymeric Sulfur
Trade Name	Rubber Vulcanization Agent HD 70-20	Molecular Weight	256.50
Molecular Formula:	S ₈	CAS No.	Polymeric Sulfur 9035-99-8
			Rhombic Sulfur 7704-34-9
			High pressure and hydrotreated naphthenic oil 64742-52-5
Revision	02	Date	01/12/2009

Product Information:

****Specification*

Appearance (visual inspection):	Non-rised yellow powder	Acidity (as H ₂ SO ₄ %)	0.05
Ash Content %	0.05	Loss on drying % :	0.50
Element Sulfur content %	80.0±1.0	Residues (63um)%	0.50
Stability in high temperature (105 15 minutes) insoluble sulfur content (On total S) %	80.0	Insoluble Sulfur Content %(On total S)	90
Oil Content %	20.0±1.0	Specific gravity at 20 (g/cm ³)	1.60-1.70

****Typical Properties*

Yellow powder with slight odor, non-toxic. HD 70-20 is not stable and At vulcanization temperatures HD70-20 will de-polymerize to soluble sulfur. HD 70-20 is insoluble in CS₂ and water.

****Recommended Applications*

HD 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. HD 70-20 is a special grade with high thermal stability dispersibility. It is used in compounds containing a relatively large sulfur loading above the solubility of sulfur in the elastomer.

****Handling and Storage recommendations*

HD 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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