



DATA-SHEET

SPECIFICATION & DATA SHEET		Chemical Analysis:	
Product Code	MSHQD -VA030-03 OT	Chemical Name	Polymeric Sulfur
Trade Name	Rubber Vulcanization agent HD 60-33S	Molecular Weight	256.50
Molecular Formula:	S ₈	CAS No.	Polymeric Sulfur 9035-99-8
			Rhombic Sulfur 7704-34-9
			Silicon dioxide 7631-86-9
			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 ₂ SO ₄)%	0.05
Ash Content %(with 8% Silica)	8.50	Loss on drying %	0.50
Insoluble sulfur content % (On total S)	90.0	Oil Content%	25.0±1.0
Element Sulfur content%	67.0±1.0	Residues (63µm) %	0.50
Stability in high temperature(105 15mintues) insoluble sulfur content (On total S)%	80	Specific gravity at 20 (g/cm ³)	1.50-1.60

*****Typical Properties**

Yellow powder with slight odor, non-toxic. HD 60-33S is not stable and can convert to soluble sulfur. HD 60-33S is insoluble in CS₂ and in water.

*****Recommended Applications**

Because insoluble sulfur is metastable temperature should be kept as low as possible during mixing. Between 100-130 significant reversion can take place to soluble sulfur. Insoluble sulfur reversion can take place if it is in direct contact with alkaline components. Due to the optimal dispersion during mixing stage, it seldom appears electrostatic charge accumulating and form agglomerates.

*****Handling and Storage recommendations**

HD 60-33S should be stored in a well-ventilated area below 30 ,Avoiding exposure of the packaged product exposure to direct sunlight. Do not store near products that can emit free amines.
 12 months with the common storing condition. Recommend use of date is within 6 months. the reversion rate is less than 1%/year when stored in closed containers below 20 .

*****Package**

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