YLSCH-RBB

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DATA SHEET

SPECIFICATION & DATA SHEET:		CHEMICAL ANALYSIS:	
Trade Name:	Vulcanization Agent HD OT20	Chemical Name:	Polymeric Sulfur
Molecular Formula:	S_8	Molecular Weight:	256.50
Synonym:	Crystex HD OT20	CAS No.:	Polymeric Sulfur 9035-99-8
			Rhombic Sulfur 7704-34-9
			High pressure and hydrotreated naphthenic oil 64742-52-5

PRODUCT INFORMATION:

***Specification

Appearance(visual inspection):	Non-rised yellow powder	Acidity (as H2S04%)≤	0.05
Ash Content %≤	0.15	Loss on drying %≤:	0.50
Stability in high temperature (105℃15minutes) insoluble sulfur content (On total S) %≥	75.0	Stability in high temperature (120℃15minutes) insoluble sulfur content (On total S) %≥	50.0
Element Sulfur content %	80.0±1.0	Residues (150μm) %≤	0.10
Oil Content %	20.0±1.0	Residues (63μm) %≤	0.50
Insoluble Sulfur Content %(On total S)≥	90		

***Typical Properties

Non-rised yellow powder with slight odor, non-toxic. HD OT20 is not stable and At vulcanization temperatures it will de-polymerize to soluble sulfur. HD OT20 is insoluble in CS_2 and water.

***Recommended Applications

HD OT20 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 OT20 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 OT20 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*0.1):900kg/P