

## DATA SHEET

SPECIFICATION & DATA SHEET:		CHEMICAL ANALYSIS:	
Trade Name:	Vulcanization Agent IS OT33	Chemical Name:	Insoluble Sulfur
Molecular Formula:	(S <sub>8</sub> ) <sub>n</sub>	Molecular Weight:	256.50
Synonym:	Crystex OT33	CAS No.:	Polymeric Sulfur 9035-99-8
			Rhombic Sulfur 7704-34-98
			High pressure and hydrotreated naphthenic oil 64742-52-5

### PRODUCT INFORMATION:

#### \*\*\*Specification

Appearance(visual inspection):	Non-rised yellow powder	Loss on drying %≤	0.50
Element Sulfur content %	67.0±1.0	Ash content % ≤:	0.15
Oil Content %	33.0±1.0	Acid Content (as H <sub>2</sub> SO <sub>4</sub> )%≤	0.05
Insoluble Sulfur Content %(On total S)≥	90	Residues (150μm) %≤	0.50

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

Non-rised yellow powder with slight odor, non-toxic. IS OT33 is not stable and can convert to soluble sulfur. IS OT33 is insoluble in CS<sub>2</sub> and in water.

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

Because insoluble sulfur is metastable temperature should be kept as low as possible during mixing. Between 100-130°C 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

IS OT33 should be stored in a well-ventilated area below 30°C, 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°C.

#### \*\*\*Package

Bag: 25kg/bag	Pallet(1.1*1.1*0.1):900kg/P
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