

Tetramethylthiuram Disulfide (TMTD)

Thiuram vulcanization accelerator and sulfur-donor ingredient for selected industrial rubber formulations.

CAS No. 137-26-8	EC / List No. 205-286-2	Transport Class 9 — Environmentally hazardous solid
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Product Information

TMTD is tetramethylthiuram disulfide, also known as thiram, CAS 137-26-8. Its thiuram chemistry is used in selected industrial rubber curing packages as an accelerator and sulfur-donor component. This product listing concerns industrial rubber formulation use.

Specifications

Parameter	Specification
Appearance	White powder
Melting point, supply TDS	142 °C
Heating loss	≤0.40 %
Ash	≤0.30 %
Residue on 100 µm sieve	≤0.10 %

Supply specifications follow the stated ZXCHEM TDS. Select the grade against the intended process and evaluate the complete formulation.

Typical Properties

Property	Typical Value
Molecular formula	C ₆ H ₁₂ N ₂ S ₄
Molecular weight	240.43 g/mol

Applications

Accelerator packages: Thiuram component for selected elastomer cure systems. Evaluate scorch, rheometer response, cure temperature and crosslink development.

Sulfur-donor curing systems: Ingredient for selected sulfur-donor packages. Determine the sulfur balance and cured properties in the actual compound.

Technical rubber articles: Component for selected molded goods, hoses and seals. Test dispersion, cure response, ageing and destination-specific chemical requirements.

Packaging / Storage

Item	Information
Packing	25 kg woven bags with inner liners
Storage	Keep sealed in a cool, dry, ventilated warehouse. Protect from moisture, heat and contamination; store away from incompatible chemicals.
Handling	Use enclosed powder feeding or local extraction. Wear suitable protective gloves, eye protection and work clothing; avoid dust inhalation and direct contact. Provide controls for fumes during hot processing.

Company Contact

Supplier	Hainan Zhongxin Chemical Co., Ltd. (ZXCHEM)
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