

**SIN RUBTECH[®] POLYMER BOUND
PREDISPERSED TETD – 70G****Product Description**

Composition:	A proprietary predispersed 70% tetraethylthiuram disulphide in a 30% elastomeric / processing aids binder specially formulated for use in EPDM, NR, SBR, BR formulations
Appearance:	Off - White Granules.
Density:	Approx. 1.05 g/cm ³ .
ML 1+4 @ 50°C	< 70
Moisture Content:	< 1.0 %
Melting Point: (of active TETD)	> 64°C
Storage Stability:	At least 2 years under normal storage conditions.
Packing:	18 kg nett in sealed PE bag in a carton box.

Recommendations and Applications

Predispersed TETD-70G is recommended where a more eco-friendly material, higher productivity and better dispersion is required. This often translates to lower bottom-line costing.

The active ingredient TETD is an ultra fast accelerator, slower than ZDEC, but faster than MBT. TETD gives more scorch delay compared to TMTD. TETD has wide applications as a primary accelerator, secondary accelerator and even as a sulphur donor (TETD has 11% active sulphur) in Semi-EV and EV cure systems. During vulcanisation with TETD, no free sulphur is formed, and this gives TETD a use as an accelerator / sulphur donor in applications where e.g. silver and copper reactions with free sulphur are not wanted.

Combination of TETD with sulphenamides gives a good combination of surprisingly improved scorch safety, faster cure and higher crosslink density.

TETD like all thiurams and dithiocarbamates has no odour, no bitter taste, is non-discolouring and non-staining. However thiurams and dithiocarbamates are very polar chemicals and in non-polar rubber like NR, BR & EPDM, they have a tendency to bloom and TETD is the most polar amongst the thiurams. Where bloom is not tolerated, TETD-70G should be used in non-polar rubber at dosage below 0.2 PHR and only after service proven.

Dosage

Recommended initially to try TETD-70G in weight-to-weight substitution of TETD powder.

Dosage can be from 0.10 PHR to 0.3 PHR as a secondary accelerator for NR & SBR compounds.

Dosage can be from 0.50 PHR to 2.0 PHR as a secondary accelerator for EPDM & BR compounds.

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