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RUBBER CHEMICALS
-ACCELERATORS-
THIURAMS

ACCELERATOR TiBTD POWDER
(N, N, N', N'-Tetraisobutylthiuram Disulfide)

PRODUCT DESCRIPTION:

Accelerator TiBTD is a non-staining ultra-accelerator for use in natural and synthetic rubbers such as EPDM, SBR, NBR, and others. TiBTD produces very low levels of nitrosoamines (100 times less than common thiurams). It is a fast-curing accelerator with very stable crosslink formation in rubber vulcanizates.

TYPICAL PROPERTIES:

Appearance.....	off-white powder
Heat Loss.....	<0.5% (max)
Melting Point.....	65-75°C
Specific Gravity.....	1.14
Packaging.....	55.1 pound cartons

APPLICATIONS:

Compounds utilizing TiBTD have good scorch protection and cure rate. TiBTD yields good reversion resistance in natural rubber formulations. Sulfenamides can be accelerated to cure faster with minimal loss in scorch delay by replacing 20% of the sulfenamide with TiBTD. Being a higher molecular weight accelerator, more TiBTD (by weight) should be used if replacing other thiurams (1.7 x TMTD PHR; 2.0 x TMTM; 1.4 x TETD). The exception is the replacement of TBzTD which requires only 0.75 as much TiBTD. The lower level of nitrosoamine generation allows for a safer working environment.

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