

**SIN RUBTECH<sup>®</sup> POLYMER BOUND  
PREDISPERSED TBzTD – 75G****Product Description**

Composition:	A proprietary predispersed 75% tetrabenzylthiuram disulphide in a 25% elastomeric / processing aids binder specially formulated for use in EPDM, NR, SBR, BR formulations
Appearance:	Light Cream Granules.
Density:	Approx. 1.11 g/cm <sup>3</sup> .
ML 1+4 @ 50°C	< 90
Moisture Content:	< 1.0 %
Melting Point: (of active TBzTD)	> 130 oC
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**

Polymer bound predispersed TBzTD – 75G is recommended when a more eco friendly material, higher productivity and better dispersion is required. This often translates to lower bottom-line costing.

The active ingredient tetrabenzylthiuram disulphide (TBzTD) is recommended to substitute either the tetramethylthiuram disulphide (TMTD) or the tetramethylthiuram monosulphide (TMTM) where the presence of nitrosoamine is of concern. The TBzTD is not carcinogenic according to published literature.

TBzTD can act as a Sulphur donor as for TMTD.

In nitrosoamine free cure systems for tread and retread formulations, a TBBS/TBzTD cure system compared to a TBBS control can provide the same scorch safety but faster  $t_{90}$  and better vulcanisates properties after heat ageing.

**Dosage**

Recommended initially to try TBzTD – 75G at 1.14 : 1 weight substitution of TBzTD powder grade and dosage can vary from 0.2 PHR to 4.5 PHR.

**Note:**

Source of TBzTD powder is from Flexsys, USA and the solid polymer bound form is manufactured under license by UA Rubber Speciality Chemical Sdn. Bhd.

**SIN RUBTECH CONSULTANCY SDN BHD (Company No : 103451-P)**

Contact Address : 10-12, Jalan Industri CheroK To’Kun 2, Taman Industri CheroK To’Kun, 14000 Bukit Mertajam, Malaysia.  
Telephone : (604) 5511804 Fax : (604) 5514804 E-Mail : marketing@sinrubtech.com