

Technical Data Sheet

QUREACC®TST



Composition	2,4,6-Trimercapto-S-Triazine
CAS No.	638-16-4
EC No.	211-322-8
Molecular Formula	C ₃ H ₃ N ₃ S ₃
Molecular Weight	177

Property	Unit	Typical Value	Test Method
Appearance	-	Light yellow powder	Visual
Heat loss	%	0.5 max.	QCD/TM/24
Ash content	%	0.3 max.	ASTM D 4574
Fineness (75 µm Retained)	%	0.5 max.	ASTM D 5461
Solubility	-	Soluble in Tetrahydrofuran (THF). Insoluble in water.	QCD/TM/81

Application:

QUREACC®TST is a crosslinking agent used for curing ECO rubbers and certain grades of Acrylic rubbers containing active chlorine groups.

TST in ECO rubbers:

TST is less hazardous than curing system of ETU/Pb₃O₄ used for ECO due to toxic lead. TST also gives better heat resistance. TST along with MgO improves compression set properties and prevents mould fouling.

ACM Terpolymer Rubbers containing Chlorine/carboxyl groups:

Chlorine containing ACM rubbers have been traditionally vulcanized with soap/sulphur system (sodium stearate/TMTD). However development of triazine system has offered the compounder greater versatility and better process and vulcanizate properties. There is a slight sacrifice in elongation and aged hardness, but compression set is excellent indicating tight cure with TST.

Packing:

Available in 10/20 Kg. Bag.

Storage stability:

Store in a cool and dry place. Stable for up to 24 months from the date of manufacturing when stored in the original packing material in a cool and dry environment.

Safety:

Please refer safety data sheet.

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