

GENERAL DESCRIPTION: A sulfido functional organic adhesion promoter absorbed upon a high surface area precipitated silica carrier. The product is a dry free flowing solid which physically breaks down upon compounding (Banbury, Henschel, etc.) to release the active sulfido functional adhesion promoter.

PHYSICAL PROPERTIES:

Physical form	free flowing solid
Color	v. pale yellow
Metal content (Total %)	3.1 - 3.25
Chartwell B-600 (wt %)	72
Silica	28
Complexed organics	5.0 - 5.2
Active Matter	17.0
Absorbed Solvent	ethylene glycol/ 2-butoxy ethanol
Organofunctionality	sulfido

APPLICATION:

(1) Elastomers: Recommended for mineral filled (silica, etc.) or carbon black pigmented elastomers at 1.4 - 4.0 phr to improve abrasion resistance and other physical properties - tensile and tear strength.

Chartsil B-600 also improves vulcanization and reduces scorch of all sulfur cured elastomers. Incorporation during compounding improves adhesion of other rubber and synthetic materials to the molded rubber surface.

(2) Adhesives: Recommended for epoxy and urethane adhesives to enhance adhesion to metals, plastics, and elastomers. Increased T-peel strength. Improved resistance to moisture, heat and corrosive environments.

PROCEDURE:

It is recommended that evaluation be conducted at both 1.4 and 2.0 phr (parts Chartsil B-600 adhesion promoter on polymer solids.) **DO NOT EXCEED recommended use level.**

- **NOTE:** All recommended Chartwell levels found in Use Procedure Bulletins apply to liquid products only and must be increased by a factor of 1.4 x to determine corresponding recommended level for Chartsil (solid) products. **The levels recommended in this bulletin require NO adjustments.**

