

Chartwell F-505.2

TECHNICAL DATA

ADHESION PROMOTERS

GENERAL DESCRIPTION:

A mercapto functional organic adhesion promoter synthesized using a STABILIZED BIMETAL PRECURSOR. The product is supplied in PEG 300 to enhance solubilization of the active component in polymer matrices.

PHYSICAL PROPERTIES:

Physical form	Clear liquid
Color	very pale yellow
Metal content (Total %)	5.2 - 6.0
Complexed organics	12.0 - 13.6
Specific gravity (g/ml)	1.21
pH (2% soln)	3.6
Active matter (wt %)	22.0
Solvent	PEG 300
Organofunctionality	mercapto

APPLICATION:

(1) Epoxy Molding Compounds and Adhesives: Good solubility in most standard epoxies. Enhances adhesion to metals, plastics and elastomers. Increased T-peel strength. Improved resistance to moisture, heat and corrosive environments.

(2) Elastomers: Recommended for mineral-filled (silica, etc.) or carbon black pigmented sulfur cured elastomers at 0.5 - 2.0 phr to improve physical properties tensile, tear and abrasion resistance.

PROCEDURE:

It is recommended that evaluation be conducted at both 0.5 and 2.0 phr (parts adhesion promoter on polymer solids).

Chartwell F-505.2 Data Sheet 11/10

