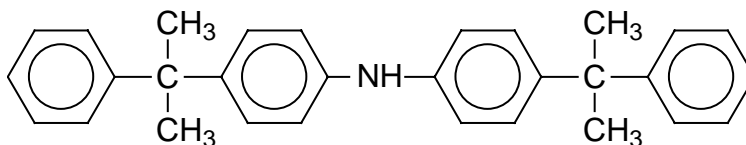


RUBBER CHEMICALS

Crompton Corporation, Uniroyal Chemical Technical Sales Service Center

Spencer Street, Naugatuck, CT 06770 (800) 243-5098 FAX (203) 720-6204 www.cromptoncorp.com

NAUGARD® 445 Antioxidant



4, 4'-Bis (alpha, alpha-dimethylbenzyl) diphenylamine

FORM:	White to off white powder.
SPECIFIC GRAVITY:	1.14
MELTING RANGE:	98-102 °C (208-215 °F)
SOLUBILITY:	Insoluble in water. Soluble (gms/100 ml solvent) in: benzene (35.2), toluene (32.8), acetone (40.8), hexane (0.68), cyclohexane (3.5), heptane (0.74) and methanol (0.66)
STORAGE STABILITY:	In excess of two (2) years when stored under normal conditions in a cool, dry place away from any direct sources of heat and light.
HANDLING PRECAUTIONS:	Avoid all personal contact. Observe good personal hygiene.
FEATURES:	For BR, CR, nitrile (Paracril®) rubbers, EPDM (Royalene®), and SBR. The combination of high amine antioxidant activity, good color and low volatility makes it an ideal antioxidant and heat stabilizer for rubber and plastics.
DISCOLORATION:	Very slightly staining and discoloring in sunlight. Relatively nondiscoloring during heat aging.
RECOMMENDED USES:	Especially effective in polyisoprene, Neoprene, nitrile (Paracril), HNBR and acrylic rubbers.
FDA STATUS:	175.105 – Adhesives – <i>No Limitations</i> 175.300 – Resinous & Polymer Coatings – <i>Limited to sideseam cement.</i>

The recommendations for the use of our products are based on tests believed to be reliable. However, we do not guarantee the results to be obtained by others under different conditions. Nothing in this bulletin is intended as a recommendation to use our products so as to infringe on any patent.

Crompton
Uniroyal Chemical

177.1590 – Polyester Elastomers – *No
Limitations*