



PROCESS ECONOMICS PROGRAM

SRI INTERNATIONAL
Menlo Park, California
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Abstract

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ANTIOXIDANTS

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In this report SRI examines the technology and economics of manufacture of the principal additives used for the stabilization of thermoplastics. Among the antioxidants, we evaluate butylated hydroxytoluene (BHT), Irganox[®] 1010 (Ciba-Geigy), dilauryl thiodipropionate (DLTDP), and tris(nonylphenyl) phosphite (TNPP). From light stabilizers we chose one of the newly introduced hindered amine compounds, Ciba-Geigy's Tinuvin[®] 770.

The report also presents a brief technical review of the principles underlying the degradation and stabilization of polymers and an outline consideration of the industry status in the United States.

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SUPPLEMENT A

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For detailed marketing data and information, the reader is referred to one of the SRI programs specializing in marketing research. The CHEMICAL ECONOMICS HANDBOOK Program covers most major chemicals and chemical products produced in the United States and the WORLD PETROCHEMICALS Program covers major hydrocarbons and their derivatives on a worldwide basis. In addition, the SRI DIRECTORY OF CHEMICAL PRODUCERS services provide detailed lists of chemical producers by company, product, and plant for the United States and Western Europe.

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