Abstract

Process Economics Program Report No. 85B
ANTIOXIDANTS AND LIGHT STABILIZERS
(March 1993)

This report supplements our technical and economic appraisals of antioxidants and light stabilizers for the plastics industry that were previously carried out in Reports 85 and 85A. We examine some additional (and newer) high performance products that constitute a significant share of the market. These products include Irganox® 1076 (a Ciba-Geigy product) and Ethanox® 330 (a product of Ethyl Corporation) among the high molecular weight phenolic products, and Tinuvin® 144 (a Ciba-Geigy product) from the hindered amine light stabilizers group. For each product, we estimate and analyze the production costs and then compare them with the current selling prices.

We also present a brief survey of the industry status, with particular reference to the developed regions of the United States, Western Europe, and Japan. This survey includes a list of antioxidants/light stabilizers’ producers, consumption data for the principal product categories for 1985 to 1990, and projected consumption/growth rates to 1995.

Besides antioxidants/light stabilizers’ producers, this report will also be of interest to companies engaged in the compounding and formulation of thermoplastics (in particular, polyolefins) and others who fabricate these thermoplastics into finished articles.
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