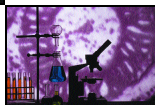


Polymer Additives



4248 Polymer Additives - 1,740 Spectra

Additives are among the most important products used in the chemical industry and, in particular, the polymer industry. They serve to enrich the desirable properties and minimize or eliminate objectionable characteristics in many polymers and plastics in use today. The development of new products is influenced substantially by both the selection and concentration of appropriate polymer additives.

In order to facilitate structural determination and identification of these substances, Bio-Rad has compiled a reference collection of 1750 infrared spectra of polymer additives. Its purpose is to provide a convenient and practical reference source of information for polymer chemists and technologists. Each entry contains the infrared spectrum, physical and chemical data, and other supporting information for the polymer additives. Each compound is listed by its commercial or trade name as given by the manufacturer. Also included are properties, classification, function or use, and the technique used in sample preparation.

This enhanced database contains FT-IR spectra run under standard conditions to ensure that the spectra are of the best quality. All samples were run in Bio-Rad Laboratories exactly as they were received from the manufacturer, and irregularities or anomalies in the spectra are considered to be inherent to the commercial product itself. This database has been reviewed both internally and externally using the Sadtler Data Review Protocol™. Additives are among the most important products used in the polymer industry. Sadtler's new enhanced polymer additives database provides a convenient and practical reference source of information for polymer chemists and technologists. The enhanced database now contains more spectra of newer materials to make structural determination and identification of polymer additives faster and easier than ever before.

Classifications

Polymerization Materials, includes polymer additives in the following seven classifications.

Accelerators	57
Catalysts	57
Coupling Agents	62
Crosslinking Agents	32
Curing Agents	60
Dispersants	245
Free Radical Initiators	45

Protective Materials, includes polymer additives also in seven classifications.

Antioxidants	194
Antistatic Agents	176
Corrosion Inhibitors	149
Optical Brighteners	13
Preservatives	83
Stabilizers	243
UV Light Absorbers	62

Processing and Auxiliary Materials, includes polymer additives presented in six classifications

Chemical Blowing Agents	35
Defoamers	72
Fillers/Extenders	19
Flow Control Agents	124
Plasticizers	208
Processing Aids	149