

IR - Sadtler Polymer Additives (Revised) - Wiley

Spectra - 1,745

Description

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 1,745 infrared spectra of polymer additives to provide a convenient and practical reference source of information for polymer chemists and technologists.

This 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.

Additional Information

Each compound is listed by its commercial or trade name as given by the manufacturer. Each record contains an infrared spectrum, physical and chemical data, and other supporting information such as classification, function or use, and technique used in sample preparation.

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

This collection has been subject to the Sadtler Data Review Protocol™ to provide you with the highest standard in spectral data today. These rigorous qualifying procedures start at data acquisition and continue throughout the database development process.