

## IR - Sadtler Scholl Polymer Processing Chemicals - Wiley

Spectra - 1,155

### Description

This database contains 1,155 infrared spectra considered processing chemicals. It first appeared as Volume Three of the *Hummel/Scholl Polymer Atlas*, which is based upon data originally prepared by Dr. Friedrich Scholl.

It includes the following groups: plasticizers, inorganic fillers and pigments, organic pigments, UV stabilizers, fluorescent whitening agents, antioxidants, stabilizers, antistatic agents, biocides, flame retardants, accelerators, curing agents and activators, processing aids, and solvents. This database can be used by researchers to facilitate the identification of these substances.

### Additional Information

Names, structures and physical properties are included. The following information is also supplied when available: synonyms, source of sample, technique, molecular weight, molecular formula, source of spectrum, comments, classification, catalog number, density, boiling point, melting point, and index of refraction.

### Classifications

#### Plasticizers - 293

Aromatic Carboxylic Acid Esters - 57  
Aliphatic Di- & Tricarboxylic Acid Esters - 54  
Aliphatic Monocarboxylic Acid Esters - 73  
Epoxy Type Plasticizers - 9  
Glycols And Ethers - 45  
Phosphoric Acid Esters - 24  
Heterocyclic Compounds - 8  
Hydrocarbons - 23  
Miscellaneous Plasticizers - 4

#### Inorganic Fillers & Pigments - 71

Fillers - 38  
White Pigments - 8  
Yellow, Orange Pigments - 5  
Brown, Red Pigments - 12  
Green Pigments - 2  
Blue Pigments - 4  
Black Pigments - 2

#### Organic Pigments - 223

Monoazo Pigments - 64  
Monoazo-Salts - 39  
Diazo Pigments - 32  
Indigo Pigments - 10  
Pigments With Condensed Rings - 42  
Phthalocyanine Pigments - 8  
Miscellaneous Pigments - 29

#### UV Stabilizers - 45

#### Fluorescent Whitening Agents - 13

#### Antioxidants - 102

Phenols - 53  
Amines - 31  
Other N-Containing Compounds - 7  
Miscellaneous Antioxidants - 11

#### PVC Stabilizers - 96

Inorganic Stabilizers - 8  
Metal Carboxylate Stabilizers - 55  
Epoxy Derivatives - 13  
Phosphorous Compounds - 14  
Miscellaneous Stabilizers - 6

#### Antistatic Agents - 28

#### Biocides - 16

#### Flame Retardants - 10

#### Accelerators - 49

#### Curing Agents & Activators - 73

#### Processing Aids - 32

Lubricants - 3  
Blowing Agents - 17  
Adhesion Agents - 8  
Peptizers - 3  
Antiskinning Agents - 1

#### Solvents - 105

*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.*