

## IR - Sadtler Polymers & Monomers (Basic) 2 - Wiley

Spectra - 850

### Description

Wiley has compiled a collection of basic monomers and polymers commonly encountered in both industry and academia. Analytical applications include identification, quality control, deterioration studies, materials selection, plus other applications such as classroom instruction.

"Basic" Monomers and Polymers are those which have not been modified with any additives, although they may be copolymers or terpolymers. Each infrared spectrum is assigned a chemical classification to aid the user in identification of characteristic absorption bands representative of that class. This collection includes many classic compounds, which makes it particularly useful as a reference.

### Additional Information

Each compound is identified by its chemical name. The following additional information will also be supplied when available: chemical composition, chemical and physical properties, source of sample, technique, and classification.

### Classifications

#### Polymers

Polyethylenes - 9  
Polypropylenes - 3  
Polybutenes & Butyl Rubbers - 6  
Polybutadienes - 13  
Polystyrenes - 21  
Other Styrene Copolymers (Excluding Nitriles) - 14  
Other Aromatic Vinyl Hydrocarbons - 1  
Fluorocarbon Resins - 3  
Silicone Polymers - 9  
Acrylonitrile-Butadiene-Styrene Resins - 1  
Styrene-Acrylonitrile Copolymers - 1  
Other Nitrile Polymers - 11  
Thioplasts/Polysulfides - 1  
Polyethers - 53  
Anhydride Polymers - 5  
Modified Epoxy Resins - 1  
Vinyl Chloride Homopolymers - 2  
Polyvinyl Alcohols - 12  
Polyvinyl Ethers - 15  
Polyvinyl Acetals - 1  
Polyvinyl Esters - 7  
Polyvinyl Acetate Copolymers - 10  
Polyvinylidene Polymers (Excluding Nitriles) - 5  
Miscellaneous Vinyl Polymers - 25  
Hydroxyethylcellulose - 3  
Cellulose Ethers - 3  
Cellulose Esters & Mixed Esters - 3  
Miscellaneous Carbohydrate Derivatives - 15  
Acrylic Copolymers (See Also Styrene Copolymers) - 9  
Polyacrylic & Polymethacrylic Esters - 46  
Polyacrylic & Polymethacrylic Acids & Salts - 13  
Polyesters - 15  
Polycarbonates - 6

Rosin & Rosin Derivatives - 2  
Aminoplasts/Polyamines - 11  
Polyamides - 25  
Polyimides - 7  
Polyvinylpyrrolidones - 9  
Polyvinylpyridines - 9  
Polysulfones - 2  
Ion Exchange Resins - 1  
UV Light Absorbers - 7  
Miscellaneous Polymers - 15

#### Monomers

Aromatic Hydrocarbons - 13  
Halogenated Hydrocarbons - 2  
Compounds Containing Silicon - 20  
Cyanates, Isocyanates, Nitriles - 13  
Ethers - 38  
Oxides And Peroxides - 6  
Amines - 35  
Compounds Containing Halogen - 15  
Compounds Containing Sulfur - 28  
Compounds Containing Phosphorus - 4  
Alcohols & Phenols - 23  
Aldehydes, Ketones, & Quinones - 2  
Carboxylic Acids - 25  
Anhydrides - 4  
Acrylates & Methacrylates - 169  
Phthalates - 10  
Esters - 35  
Ureas, Amides, Cyanurates - 54  
Organometallics (Sn, Zn, Ba, Cd, Etc.) - 4  
Carboxylic Acid Salts - 5  
Miscellaneous Monomeric Compounds - 2

*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.*