

## ATR-IR - Sadtler Polymers - Wiley

Spectra - 2,395

### Description

This database contains 2,395 reference spectra includes monomers, polymers and precursors commonly encountered in both industry and academia. It can be used a reference in the identification, verification, and classification of unknown compounds.

### Additional Information

Each compound in this database is identified by its polymer/chemical name, method of analysis, source of sample, and additional information available such as: melting point, boiling point, flash point, density, etc. Spectra contain both reference spectra for materials that are identified by chemical name and commercial name.

### Classifications

#### Polymers - 1935

##### Aliphatic Hydrocarbons

Polyethylenes - 161  
Polypropylenes - 70  
Petroleum Hydrocarbon Resins - 21  
Synthetic Waxes - 6  
Polybutenes and Butyl Rubbers - 18  
Polybutadienes - 15  
Polyisoprenes & Natural Rubbers - 14  
Aliphatic Hydrocarbon Polymers & Copolymers - 33

##### Cyclic Unsaturated Hydrocarbons

Coumarone-Indene Resins - 12  
Polyterpenes - 9  
Cyclic Unsaturated Hydrocarbon Resins - 2

##### Aromatic Hydrocarbons

Polystyrenes - 59  
Styrene-Butadiene Copolymers - 13  
Other Styrene Copolymers - 25  
Aromatic Vinyl Hydrocarbons - 16  
Fluorinated Hydrocarbons - 34  
Chlorinated Hydrocarbon - 26  
Silicone Polymers - 31

##### Polymers containing Nitrile Linkage

Acrylonitrile-Butadiene-Styrene Resins - 30  
Polyurethanes & Urethane Prepolymers - 111  
Butadiene-Acrylonitrile Copolymers - 16  
Styrene-Acrylonitrile Copolymers - 3  
Other Nitrile Polymers - 9  
Thioplasts - 12  
Polyethers - 72  
Anhydride Polymers - 24

##### Epoxy Resins

Unmodified Epoxy Resins - 24  
Modified Epoxy Resins - 37  
Ionomers - 4

##### Aliphatic Vinyl & Vinylidene Polymers

Vinyl Chloride Homopolymers - 40  
Plasticized Polyvinyl Chlorides - 42  
Vinyl Chloride Copolymers - 23  
Polyvinyl Alcohols - 39  
Polyvinyl Ethers and Acetals - 10  
Polyvinyl Esters - 6  
Polyvinyl Acetate Copolymers - 53  
Polyvinylidene Polymers - 5  
Other Vinyl Polymers - 43

##### Cellulose Derivatives

Celluloses - 32  
Miscellaneous Carbohydrate Derivatives - 18

##### Phenoplasts

Phenolic Resins - 33  
Modified Phenolic Resins - 2

##### Acrylic & Methacrylic Polymers

Acrylic Copolymers - 25  
Polyacrylic & Polymethacrylic Esters - 70  
Polyacrylic & Polymethacrylic Acids & Salts - 15

##### Polyesters

Polyesters - 87  
Modified Polyesters - 29  
Polycarbonates - 40

##### Alkyds - 6

Rosins & Rosin Derivatives - 25  
Aminoplasts - 15  
Polyamides - 171  
Polyimides - 22

##### Heterocyclic Vinyl Polymers

Polyvinylpyrrolidones & Polyvinylpyridines - 22  
Polysulfones - 17  
Sulfonated Polymers - 10  
Ion Exchange Resins - 19  
UV Light Absorbers - 19  
Miscellaneous Polymers - 96

##### Monomers & Precursors - 458

Hydrocarbons - 2  
Alcohols & Phenols - 54  
Ethers - 4  
Oxides and Peroxides - 61  
Aldehydes, Ketones, & Quinones - 17  
Phthalates - 24  
Compounds Containing Nitrogen - 63  
Ureas, Amides, & Cyanurates - 52  
Compounds containing Halogen - 35  
Compounds containing Sulfur - 51  
Compounds containing Phosphorous - 12  
Compounds containing Silicon - 6  
Acrylates & Methacrylates - 33  
Carboxylic Acids - 14  
Carboxylic Acid Esters - 6  
Carboxylic Acid Salts - 16  
Organometallics - 20  
Miscellaneous Monomeric Compounds - 43

*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.*