

ATR-IR - Polymers - Bio-Rad Sadtler

Product Code - 410700

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.