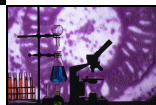


Adhesives & Sealants



4330 Adhesives & Sealants - 2,070 Spectra

This collection contains infrared reference spectra of a wide range of basic synthetic resins and elastomers, plus cured and uncured commercial end products. Typical products are composed of butyl rubber, epoxy, silicone rubber, acrylic, neoprene, urea-formaldehyde, polysulfide, polyurethane or other resins. Each compound is identified by its commercial or trade name.

The greatest advances in adhesives technology have resulted in the development and production of many versatile and practical synthetic resin adhesives and related products. These adhesives can be used for either a very specific purpose or a general purpose; they are generally moisture and fungus resistant, and they are now commercially available in enormous numbers. They can be formulated to make a wide variety of application forms for major requirements in construction, consumer needs and industrial markets. In order to facilitate structural determination and identification of these substances, Bio-Rad has compiled a collection of infrared spectra of adhesives and sealants including basic synthetic resins, elastomers, plus uncured materials and cured commercial end products. Adhesives and Sealants Select IR Database contains 2070 adhesives and sealants. The purpose of this collection is to provide a convenient and practical reference source of information in a single database. It contains the infrared absorption spectra, physical and chemical data and other supporting information for the adhesives and sealants. Data sheets and product bulletins from the manufacturers have been used to determine these classifications and also serve as the source for the composition, properties and use of each adhesive and sealant. Each compound is listed by its commercial or trade name as given by the manufacturer. Other information accompanying each spectrum includes the classification, manufacturer, properties, function or use and the technique used in sample preparation. A chemical description or composition, usually the chemical base, is also included whenever available. The following is a classification of compounds included in this database. Some classes take precedence over others.

The following additional information will also be supplied when available: chemical composition, chemical and physical properties, source of sample and technique.

Classifications

Contact	52	One Part (Solvent)	78	Cement	66
Cyanoacrylate	55	One Part (Water Required)	43	Urethane Adhesive	27
Methacrylate	17	Pressure Sensitive	69	Resin Adhesive	164
Acrylic	10	Two Part (Elevated Temperature Cure)	188	Silicone Adhesive	44
Hot Melt	78	Two Part (Room Temperature Cure)	482	Rubber Adhesive	38
One Part (Curing)	62	Sealant	179	Adhesive	359
One Part (Emulsion)	46				



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