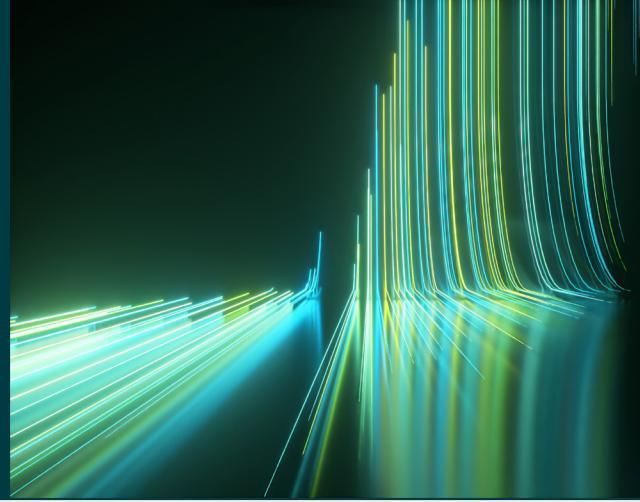


WILEY

Spectral Databases

From the leader in spectral data



Raman - Polymers - Wiley

Spectra – 103

This database is only available as part of the KnowItAll Raman Spectral Library subscription.



Description

Polymers are integrated in our daily lives, appearing in everything from plastic bottles and clothing to advanced aerospace and medical materials. This database contains Raman spectra for various polymers, invaluable for the classification and verification of materials.

Raman spectroscopy delivers detailed insights into structural units and vibrational modes of macromolecular systems, making it a powerful, non-destructive tool for quality control, deterioration studies, and more. The database features spectra for polymers with varying chain lengths, supporting a broad spectrum of research and industrial applications, including polymer research, polymer manufacturing, and recycling.



Applications

- Materials science
- Environmental science
- Polymer recycling
- Forensic science
- Automotive and aerospace
- Pharmaceuticals
- Electronics



Additional information

When it comes to spectral analysis, the more data you have the better. Wiley spectral databases provide much more information than simply the spectrum. Database records include the following valuable details when available:

- Chemical structure
- Chemical name
- Exact mass
- Formula
- InChI/InChIKey
- Molecular weight
- SMILES
- Instrument name
- Technique



Compound coverage

Polymers include:

- Styrene
- Ethylene vinyl acetate
- Nylon
- Polyethylene
- and many others



Trusted data from a trusted source

Wiley is the authoritative source for spectral data. Our renowned databases are processed according to rigorous protocols to ensure they are of the highest quality. Qualification procedures start at data acquisition and continue throughout the database development process. Any data acquired from trusted partners is thoroughly vetted before inclusion in our collections.