

## FDM Raman Polymers (832 Spectra)

The spectral range is 200 cm<sup>-1</sup> to 3417 cm<sup>-1</sup> and the optical resolution is about 4.3 cm<sup>-1</sup> at 1000 cm<sup>-1</sup>. These spectra were run on a benchtop dispersive system with a 780 nm laser with an output of 300 mW and up to 150 mW at the sample, a fixed grating triple pass monochromator, autoexposure and white light intensity correction. ASTM compliant system tests for resolution and x-axis calibration were performed daily.

The samples are the same as those used in the FDM ATR Polymers.

Samples from the chemical name index:

Butyl benzyl phthalate, 85-68-7

Butyl methacrylate/isobutyl methacrylate copolymer, 50/50 copolymer, Mw=200000, Tg=35, 9011-53-4

Butyl octyl phthalate, 84-78-6

Butyl oleate, 142-77-8

Butyl ricinoleate, 151-13-3

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Cyanox 1212, 123-28-4; 693-36-7; 13103-52-1

Cyanox 1790, 40601-76-1

Cyanox 2246; 2,2-Methylene-bis(4-methyl-6-tert-butyl)phenol, 119-47-1

Cyanox 711; Ditridecylthiodipropionate, 10595-72-9

Cyasorb UV-1164, 2725-22-6

Cyasorb UV-2126; Poly-4-(2-acryloxyethoxy)-2-Hydroxybenzophenone, 29963-76-6

Cyasorb UV-24; 2,2'-Dihydroxy-4-methoxybenzophenone, 131-53-3

Cyasorb UV-2908, 67845-93-6

Cyasorb UV-3346, 82451-48-7

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Ethylene/propylene/diene terpolymer, ethylene 50%, diene 8%, Tg=-50, 25038-36-2

Ethylene/propylene/diene terpolymer, ethylene 60%, diene 4%, Tg=-50, 25038-36-2

Ethylene/propylene/diene terpolymer, ethylene 70%, diene 4%, Tg=-50, 25038-36-2

Ethylene/vinyl acetate copolymer, 9% VA by wt., 24937-78-8

Ethylene/vinyl acetate copolymer, 14% VA by wt., 24937-78-8

Ethylene/vinyl acetate copolymer, 25% VA by wt., Mw=100000, 24937-78-8

Ethylene/vinyl acetate copolymer, 28% VA by wt., Mw=250000, 24937-78-8

Ethylene/vinyl acetate copolymer, 33% VA by wt., Mw=150000, 24937-78-8

Ethylene/vinyl acetate copolymer, 40% VA by wt., Mw=200000, 24937-78-8

Ethylene/vinyl acetate copolymer, 45% VA by wt., Mw=250000, 24937-78-8

Ethylene/vinyl acetate copolymer, 50% VA by wt., Mw=250000, 24937-78-8

Ethylene/vinyl acetate copolymer, 70% VA by wt., Mw=285000, 24937-78-8

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Neopentyl acrylate, 4513-36-4

Neopentyl glycol diacrylate, 2223-82-7

Neopentyl glycol dimethacrylate, 1985-51-9

Neopentyl methacrylate, 2397-76-4

Nylon 11, 25035-04-5

Nylon 12, 25038-74-8

Nylon 6(3)T, Tg=140, 25497-66-6

Nylon 6, 25038-54-4

Nylon 6/10, Tg=40, 9011-52-3

Nylon 6/12, 25191-04-2

Nylon 6/6, 32131-17-2

Nylon 6/9, 28757-63-3