



## **NICODOM IR Fibers – List of Spectra**

The infrared spectral library „NICODOM IR Fibers“ is a unique collection of 457 FTIR (ATR) digital spectra of fibers.

Examples of fiber types:

Acetate, Acrylic, Animal, Natural, Nylon, Olefin, Polyester, Rayon, Mixed Fibers, and most other fiber types.

The spectra were collected using the FTIR Spectrometer Nexus 670™ (Thermo) and the Miracle™ single bounce ATR accessory (Pike Technologies) equipped by Si crystal. The spectral library features resolution of 4cm<sup>-1</sup> in the spectral range 600-4000 cm<sup>-1</sup>, measurement time 1 minute, the instrument was purged by dried air.

Typical information about the sample contains:

Code: FB001  
Trade name: Comfortrel  
Composition: Polyester  
Manufacturer: Wellman

Code: FB024  
Trade name: Firenze  
Composition: 30% Wool, 30% Acrylic, 40% Nylon  
Manufacturer: Plymouth Brand

This library is available as digital searchable library compatible with your spectroscopic software. Also it can be delivered with SEARCH software or in \*.pdf format.

This spectral library is available as a part of the package  
“Nicodomo IR Polymers and Fibers”

To download the list of spectra from this library, to download the free Nicodomo IR Demo Library (50 spectra) compatible with your software, to check the format compatibility as well as for pricelist, ordering info and information about all NICODOM IR/NIR Libraries and other NICODOM products please visit our webpage.

## **List of spectra**

The following list contains only trade names. The original list delivered with the library will contain the complete information containing Trade name, Chemical composition, and Manufacturer (when available).

FB001 Comfortrel  
FB002 Dry Step  
FB003 Arvil  
FB004 Avisco  
FB005 Wool Sheep Columbia  
FB006 Dream  
FB007 Feather Pigeon  
FB008 Silk India Assam Eri  
FB009 Lycra  
FB010 Spider Net (Araneus diadematus)  
FB011 Fur Leopard  
FB012 Minnie  
FB013 Lin  
FB014 Brighton  
FB015 Fur Chinchilla  
FB016 Vliseline  
FB017 Kevlar 29  
FB018 Chirlac Braided (surgery)  
FB019 Perlon  
FB020 Sisal  
FB021 Hair Human Male  
FB022 Barricaut  
FB023 Pelouche  
FB024 Firenze  
FB025 Sultana  
FB026 Savvy Onyx  
FB027 Yukon  
FB028 Pueblo Sky  
FB029 Moda Color  
FB030 For Keeps Sand  
FB031 Bamba  
FB032 Caramelle  
FB033 Lavish  
FB034 Mystery  
FB035 Bushlark Pecan  
FB036 Clearview Beige  
FB037 All Terrain Moss  
FB038 Softwist  
FB039 Olympic  
FB040 Chameleon

FB041 Fox  
FB042 Haitian Natural  
FB043 Zaballa Multi  
FB044 Tapestry  
FB045 Snap  
FB046 Spillo  
FB047 Prentice Froth  
FB048 Caravan Multi  
FB049 Tinker Confetti  
FB050 Natasha  
FB051 Clown  
FB052 Sockotta Sock Yarn  
FB053 Commando Blue  
FB054 Frou Frou  
FB055 Wishmaster Sage  
FB056 Wishmaster Beige  
FB057 Bettina  
FB058 Chiara  
FB059 Conifer Pine  
FB060 Tuscany Bronze  
FB061 Bonton Clay  
FB062 Summer Stock Multi  
FB063 Batika Color  
FB064 Filbert Camel  
FB065 Lauderdale Ebony  
FB066 Palace  
FB067 Fluffy  
FB068 Speedway Springtime  
FB069 Vabene  
FB070 Dayton Sage  
FB071 Fireworks  
FB072 Flax Isle  
FB073 Madrid  
FB074 Bom-Ull  
FB075 Tiffany  
FB076 Moisselle  
FB077 Bamboo Garden  
FB078 Athena  
FB079 Massimo  
FB080 Antonia  
FB081 Coventry  
FB082 Mohican Beige  
FB083 Arlington Berry  
FB084 Foliage  
FB085 Monarch  
FB086 Runway  
FB087 Lucia  
FB088 Flame Navy

FB089 Max red  
FB090 Toreador Multi  
FB091 Iceland  
FB092 Brillant  
FB093 Gordon Harvest  
FB094 Scarlet  
FB095 Donahue Sand  
FB096 Look Slo Mocha  
FB097 Mosaic  
FB098 Hadley Loden  
FB099 Chorus Azure  
FB100 Zucca  
FB101 Perle  
FB102 Vixen  
FB103 Bubble Print  
FB104 Magique  
FB105 Montage  
FB106 Odyssey Glitz  
FB107 Heroes  
FB108 Odyssey  
FB109 Accolade Dusk  
FB110 Soulmate Multi  
FB111 Talley Carmel  
FB112 Stardust  
FB113 Roses  
FB114 Tyrol  
FB115 Bouclerone  
FB116 Saville Garden Multi  
FB117 Puddel  
FB118 Ischia Silk  
FB119 Aventura  
FB120 Dune Beige  
FB121 Hot Hot Hot  
FB122 P-zazz  
FB123 Topton Barley  
FB124 Charming  
FB125 Combolo  
FB126 Persuade Brown  
FB127 Tic Tac Multi  
FB128 Horizon Blue  
FB129 Santana Blue  
FB130 Camille  
FB131 Teddy  
FB132 Martina  
FB133 Etoile  
FB134 Maxi  
FB135 Portrait  
FB136 Baby Lash

FB137 La Scala  
FB138 Elegante  
FB139 Amsterdam  
FB140 Frolic Fawn  
FB141 Encore Mega  
FB142 Party  
FB143 Sunshine Print  
FB144 Gabrielle  
FB145 La Gran Mohair  
FB146 Flora  
FB147 Wyndham Blue  
FB148 Margarita  
FB149 Baby Alpaca Brush  
FB150 Rapunzel  
FB151 Trevira  
FB152 Polar  
FB153 Natura  
FB154 Imperiale Super Kid Mohair  
FB155 Raneer  
FB156 Poco  
FB157 Diamante  
FB158 Sinsation  
FB159 24K  
FB160 Carnivala  
FB161 Bonneville Blue  
FB162 Noch Eros  
FB163 Baker Beige  
FB164 Palazzi  
FB165 Crisantemo  
FB166 Country 8Ply Naturals  
FB167 Iris  
FB168 Frizzultra  
FB169 Diva  
FB170 Acrylic >80%  
FB171 Acrylan  
FB172 Leather - Pig - Velour, frontside  
FB173 Leather - Pig - Velour, underside  
FB174 Leather - Cow  
FB175 Leather - Lamb - Napa  
FB176 Leather - Goat - Velour  
FB177 Leather - Goat - Napa  
FB178 Fur Ocelot  
FB179 Fur Persian Breitschwanz  
FB180 Fur Persian Swakara  
FB181 Fur Persian 1 month  
FB182 Fur Persian 2 months  
FB183 Fur Antelope  
FB184 Fur Persian 3 months

FB185 Skin Snake, frontside  
FB186 Skin Snake, underside  
FB187 Fur Ostrich  
FB188 Fur Raccoon  
FB189 Fur Red Fox Silver (Blue Colored)  
FB190 Fur Red Fox White  
FB191 Fur Badger  
FB192 Fur Guereza Monkey  
FB193 Fur Rabbit  
FB194 Fur Goat frontside  
FB195 Fur Goat backside  
FB196 Fur Nutria frontside  
FB197 Fur Nutria backside  
FB198 Fur Muskrat  
FB199 Fur Mink  
FB200 Fur Marmot  
FB201 Fur Opossum  
FB202 Fur Stoat  
FB203 Fur Coon  
FB204 Fur Skunk frontside  
FB205 Fur Skunk backside  
FB206 Fur Marten  
FB207 Fur Bear  
FB208 Fur Wolf frontside  
FB209 Fur Wolf backside  
FB210 Lenka  
FB211 Leacril  
FB212 Acrylic/Polyamide #1  
FB213 Nylon 2%, Rayon 98%  
FB214 Elian Helen  
FB215 Acrylic 80%, Wool 20%  
FB216 Chemlon  
FB217 Cotton/Rayon/Acrylic  
FB218 Acrylic 90%, Mohair 10%  
FB219 Elasthan  
FB220 Glospan  
FB221 Hoechst  
FB222 Nylon > 85% #2  
FB223 Nylon > 80% #3  
FB224 Nylon > 80% #1  
FB225 Acrylic 65%, Metallic 35%  
FB226 Rubber fiber #2  
FB227 Polarguard 3D  
FB228 Elian Sport  
FB229 Xylon  
FB230 Innova  
FB231 Isover  
FB232 Rotaflex

FB233 Wadding  
FB234 Cotton 80%  
FB235 Nylon/Rayon  
FB236 Kevlar 49  
FB237 Kevlar  
FB238 Nomex #1  
FB239 Nomex #2  
FB240 Straw treated  
FB241 Sensura  
FB242 PVC based fiber #2  
FB243 PVC based fiber #1  
FB244 Rayon 50%  
FB245 Cotton 90%  
FB246 Amoco Cf Yarn  
FB247 Synera  
FB248 Vicryl (surgery)  
FB249 Dexon (surgery)  
FB250 Spider Net (Tegenaria domestica)  
FB251 Bamboo 80%, Cotton 20%  
FB252 Bamboo fiber  
FB253 Fantasia  
FB254 Tiffany forte  
FB255 Cotton 95%, Lycra 5%  
FB256 Rayon 92%, Elastan 8%  
FB257 Polyester 86%, Elastan 14%  
FB258 Nylon 92%, Elastan 8%  
FB259 Acrylic/Polyamide #2  
FB260 Modal 92%, Spandex 8%  
FB261 Rayon 95%, Elastan 5%  
FB262 Rayon 85%, Flax 15%  
FB263 Ramie 42%, Flax 58%  
FB264 Nylon 83%, Elastan 17%  
FB265 Flax  
FB266 Nylon 30%, Silk 70%  
FB267 Cotton 33%, Rayon 49%, Nylon 16%, Elastan 2%  
FB268 Hair of Horse #1  
FB269 Hair of Horse #2  
FB270 Feather Hen  
FB271 Feather Pheasant  
FB272 Hair of Pig  
FB273 Hair of Dog  
FB274 Hair of Rabbit  
FB275 Hair of Cat  
FB276 Silk India Assam Muga  
FB277 Straw  
FB278 Ramie treated  
FB279 Acrylic 50%, Polyester 37%, Wool 13%  
FB280 Hot Socks Cotton Stretch

FB281 Rayon 95%, Elastan 5%  
FB282 Wool - Lamb  
FB283 Hair Human Female Colored 2  
FB284 Hair Human Female Colored 1  
FB285 Nylon Rion Taslan PU milky  
FB286 Fibro  
FB287 Biofresh  
FB288 Crimplene  
FB289 Chromspun  
FB290 Piuma Piccolo  
FB291 Silk  
FB292 Rayon 80%  
FB293 Acrylic 70%, Wool 30%  
FB294 Silkworm Cocoon  
FB295 Amica  
FB296 Beluga  
FB297 Sarah  
FB298 Atlantis  
FB299 Nefertiti  
FB300 Elian Betty  
FB301 Evita  
FB302 Frote  
FB303 Elian Ester  
FB304 Anna  
FB305 Sunshine  
FB306 Edita Glamour  
FB307 Laguna  
FB308 Atol  
FB309 Hot Socks Uni  
FB310 Vinyon  
FB311 Gore-Tex  
FB312 Kuraray PVA  
FB313 Dyneema  
FB314 Kuralon  
FB315 Polyimide Fiber  
FB316 Basofil  
FB317 Rhovyl  
FB318 Ardil  
FB319 Fibrolane  
FB320 Vicara  
FB321 Tencel  
FB322 Nylon/Cotton/Acrylic  
FB323 Wellene  
FB324 Nylon > 90%, Cotton  
FB325 Silk Spider  
FB326 Rubber fiber  
FB327 Wool Sheep Iceland  
FB328 Estron

FB329 Nylon > 90% #2  
FB330 Microsafe  
FB331 Wool 80%, Acrylic  
FB332 Regular  
FB333 Wolpryla  
FB334 Wool Sheep Corriedale  
FB335 Hwm Rayon  
FB336 Angora  
FB337 Pompadour Zephyr  
FB338 Wool Sheep Cheviot  
FB339 Wool English #1  
FB340 Wool Ilama  
FB341 Scotch Tweed  
FB342 Wool Sheep Churro  
FB343 Knitting Worsted  
FB344 Zephyr Paradise  
FB345 Zephyr Paradise green  
FB346 Heather Tone  
FB347 Silken Wool  
FB348 Camel Hair  
FB349 Crepe Welnetette  
FB350 Pebble Crepe  
FB351 Suedetex  
FB352 Snow Flake  
FB353 Twistex  
FB354 Mystic Tweed Crepe  
FB355 Bounce  
FB356 Heathertone Sport  
FB357 Saxony  
FB358 German Town  
FB359 Shetland Floss  
FB360 Feather-Fleece  
FB361 2 Ply Silver Gloss  
FB362 Sport Yarn  
FB363 Sporting Angora  
FB364 Speckle Crepe  
FB365 Wool English #2  
FB366 Cable Yarn  
FB367 Silken Shetland  
FB368 Zephyr Tweed De Luxe  
FB369 Wool Alpaca  
FB370 Wool Sheep Border Leicester  
FB371 Country Club  
FB372 French Zephyr  
FB373 Wool Flake  
FB374 Bermuda Tweed  
FB375 Paisley Tweed  
FB376 Silk India Kanchi

FB377 Silk Mud-Mee Thailand  
FB378 Dexon Plus (surgery)  
FB379 Hemp  
FB380 Hemp Fine  
FB381 Agave  
FB382 Kapok  
FB383 Musa  
FB384 Pina  
FB385 Raffia  
FB386 Ramie  
FB387 Kapok treated  
FB388 Musa treated  
FB389 Palmtree fiber (treated)  
FB390 Bamboo - piece (treated)  
FB391 Jute  
FB392 Avora FR  
FB393 Rayon >80%, Nylon, Polyester  
FB394 Rayon > 70%  
FB395 Quattro  
FB396 Absorbit  
FB397 Comforel  
FB398 Dunova  
FB399 Arnel  
FB400 Avril  
FB401 Durvil Rayon  
FB402 Beau Grip  
FB403 Rustico  
FB404 Cotton  
FB405 Cotton  
FB406 Acrylic 90%, Nylon 10%  
FB407 Nylon > 90% #3  
FB408 Cotton  
FB409 Nylon > 90% #1  
FB410 Nylon/Wool/Acrylic  
FB411 Flocking Tow  
FB412 SXD Rayon  
FB413 T-45  
FB414 Cotton  
FB415 Wool/Acrylic  
FB416 Cotton  
FB417 Anso  
FB418 Antron  
FB419 Cordura  
FB420 Caprolan  
FB421 Seraceta  
FB422 Meryl  
FB423 Dyenamix  
FB424 Shimmereen

FB425 Type 3000  
FB426 Regular Rayon  
FB427 Enkalon  
FB428 Powersilk  
FB429 Coloray  
FB430 Samanta  
FB431 Lanese  
FB432 Avtex  
FB433 Acetate > 70%  
FB434 Duraspun  
FB435 Fortrel Microspun  
FB436 Qiana  
FB437 Nylon > 85% #1  
FB438 Cotton  
FB439 Fillwell  
FB440 Microdenier Sensura  
FB441 Nylon > 80% #2  
FB442 Steripur  
FB443 Avlin  
FB444 Synthetic Leather #4  
FB445 Microlux  
FB446 YKK Polyester  
FB447 Colorguard  
FB448 Synthetic Leather #1  
FB449 Synthetic Leather #3  
FB450 Dacron  
FB451 Diolen  
FB452 Synthetic Leather #2  
FB453 Enkron  
FB454 Polysax-X  
FB455 Vectra  
FB456 Pina treated  
FB457 Agave treated