



SADTLER RESEARCH LABORATORIES, INC.

POLYMERS
60 MHz NUCLEAR MAGNETIC RESONANCE SPECTRA

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CREATIVE CHEMISTS SINCE 1874

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POLYMERS

60 MHz NUCLEAR MAGNETIC RESONANCE SPECTRA

The Sadtler Commercial Collection of Polymers, 60 MHz Nuclear Magnetic Resonance Spectra, is a publication of 600 NMR spectra of commercially available polymers and some monomers and additives associated with their manufacture.

Protons give rise to signals of varying position, intensity and complexity. The position of the signal, defined as the chemical shift, is dependent on the immediate electronic environment of the proton and is therefore an indication of its chemical nature. The intensity of a signal, which can be obtained by integration, is a measurement of the number of protons which cause that signal.

The integration curve for each spectrum is superimposed in color on the NMR scan.

Instrumentation

The spectra were determined at 60 mc/sec on a Varian Model A-60A spectrometer at magnet temperature of approximately 35°C (unless another temperature is noted on the spectrum). Each sample was dissolved in a suitable solvent together with tetramethylsilane (TMS) as an internal standard.

Presentation

Each spectrum has an identifying NMR number, prefixed by D and suffixed by M; the corresponding IR number of the compound in the Sadtler Commercial Grating Collection is also shown.

The following information is also reported for each spectrum.

A. Product Data

1. Commercial name of product
2. Chemical description (if known)
3. Physical data (if known)
4. Source

B. Instrument Data

1. Filter bandwidth
2. Sweep time
3. Sweep width
4. Sweep offset (if any)
5. Spectrum amplification
6. Integral amplification

Note: When more than one black curve is present on the graph (offset and/or amplification) and readings for this supplemental data are reported immediately after those for the original curve and are separated by a slash, e.g.: spectrum amplification 20/40, the first number would pertain to the original curve while the second would pertain to the amplified portion.

C. Solvent and Concentration

D. Pertinent Remarks

POLYMERS
60 MHz NUCLEAR MAGNETIC RESONANCE SPECTRA
INDICES

The following indices refer to the publication of 600 NMR spectra of commercially available polymers.

The alphabetic index lists the products according to trade name and chemical name cross-references.

Classification index according to chemical type.

Numerical index according to NMR spectrum numbers.

The column of numbers entitled "MFG CODE" in each index is an arbitrarily assigned manufacturers code.

The three digit number in the column to the left of the compound name in the alphabetical index indicates the code assigned to the chemical class to which each product belongs. The infrared prism and grating spectrum numbers from the Sadtler Commercial Infrared Collection are also included in the indices. The codes will be useful to those using the other available spectra in conjunction with NMR. The titles and corresponding code numbers for the various types of polymers are listed below.

CLASSIFICATION SCHEME

I. POLYMERS

Aliphatic Hydrocarbons

- | | |
|----|---|
| 10 | Polyethylene |
| 20 | Polypropylene |
| 30 | Petroleum hydrocarbon resins |
| 40 | Synthetic waxes |
| 50 | Polybutene and butyl rubber |
| 60 | Polybutadiene |
| 70 | Synthetic polyisoprene and natural rubber |
| 80 | Other hydrocarbon polymers and copolymers |

Cyclic Unsaturated Hydrocarbons

- | | |
|-----|--------------------------------------|
| 90 | Coumarone - indene resins |
| 100 | Polyterepene and naphthene resins |
| 105 | Other unsaturated hydrocarbon resins |

Aromatic Hydrocarbons

- | | |
|-----|--|
| 120 | Polystyrene |
| 130 | Styrene - butadiene copolymers |
| 140 | Other styrene copolymers (excluding nitriles). |
| 150 | Other aromatic vinyl hydrocarbons |

Chlorinated Hydrocarbons

- | | |
|-----|--|
| 190 | |
|-----|--|

Silicone Polymers

210

Polymers Containing Nitrile Linkage

- 230 Acrylonitrile-butadiene-styrene resins
- 240 Polyurethane and urethane prepolymers
- 250 Butadiene - acrylonitrile copolymers
- 260 Other nitrile polymers

Thioplasts

270

Polyethers

290

Anhydride Polymers

300

Epoxy Resins

- 310 Unmodified Epoxy resins
- 320 Modified Epoxy resins

Aliphatic Vinyl and Vinylidene Polymers

- 340 Vinyl chloride homopolymer
- 360 Vinyl chloride copolymers
- 370 Polyvinyl alcohol
- 380 Polyvinyl ethers
- 390 Polyvinyl acetals
- 400 Polyvinyl esters
- 405 Polyvinyl acetate copolymers
- 420 Miscellaneous vinyl polymers

Cellulose Derivatives

- 430 Nitrocellulose
- 450 Cellulose ethers
- 470 Cellulose esters and mixed esters

Phenoplasts

- 490 Phenolic resins
- 500 Modified phenolic resins

Acrylic and Methacrylic Polymers (excluding Nitriles)

- 520 Acrylic copolymers (see also Styrene Copolymers)
- 530 Polyacrylic and polymethacrylic esters

Polyesters

- 560 Polyesters
- 570 Modified Polyesters
- 580 Polycarbonates
- 590 Alkyds
- 600 Styrenated alkyds
- 610 Resin modified alkyds
- 630 Silicone modified alkyds

Rosin and Rosin Derivatives
660

Aminoplasts
670

Polyamides
690

Polyimides
700

Heterocyclic Vinyl Polymers
710 Polyvinylpyrrolidone
720 Polyvinylpyridine
730 Polysulfones

Sulfonated Polymers
740

Polymerized Fats
770

Miscellaneous Polymers
780

II. MONOMERS, CATALYSTS, CURING AGENTS, ADDITIVES, ETC.

Hydrocarbons

790 Aliphatic unsaturated hydrocarbons
800 Cyclic unsaturated
810 Aromatic hydrocarbons
820 Halogenated hydrocarbons

830 Compounds containing silicon

840 Compounds containing nitrile linkage

850 Ethers

860 Oxides and Peroxides

890 Alcohols and Phenols

900 Aldehydes, Ketones and Quinones

910 Carboxylic acids

Carboxylic Acid Esters

930 Acrylates and Methacrylates

950 Miscellaneous esters

970 Urea, Amides, Cyanurates

ALPHABETICAL INDEX

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POLYMERS

ALPHABETICAL NMR 60MHZ INDEX

CLASS		MFG CODE	PRISM	GRATING	NMR
405	A-C COPOLYMER GRADE 405	120		05401R	D 455M
80	A-C COPOLYMER 540	120	05789	01034K	D 125M
520	A-C COPOLYMER 540	120	05789	01034K	D 125M
10	A-C POLYETHYLENE 1702	120	05856	01101K	D 240M
10	A-C POLYETHYLENE 612	120		05403K	D 456M
10	A-C POLYETHYLENE 617	120	06182	01427K	D 243M
10	A-C POLYETHYLENE 680	120	06191	01436K	D 2M
660	ABALYN /METHYL ESTER OF ROSIN/	4240	01214	03717K	D 146M
100	ACINTENE-N TERPENE POLYMERS	340	05559	D 804K	D 43M
530	ACRONAL 4F	510	05005	D 442K	D 127M
530	ACRYLOID B-72 SOLIDS	7810	01206	03772K	D 405M
840	ACRYLONITRILE, A-CHLORO-	5960	06649	05399P	D 275M
240	ADIPRENE L-100 URETHANE ELASTOMER	2570	02193	D 151K	D 60M
770	ADVIS ACTIVATOR	1430	06057	01302K	D 276M
105	ALAFIN 100L	37	05041	D 478K	D 48M
290	ALDOSPERSE S-9	3500	06295	D1540K	D 72M
590	ALKYD RESIN 12-014	7630	05013	D 450K	D 140M
190	ALLOPRENE X-20 CHLORINATED RUBBER	4650	04802	03732K	D 404M
840	ALPHA-CLAN MONOMER	5960	06649	05399P	D 275M
490	AMBEROL ST137-X	7810	01540	D 60K	D 105M
70	AMERIPOL SN 600	3561	06406	D1651K	D 35M
130	AMERIPOL 1502 SBR	3561	01999	03689K	D 395M
830	3-AMINOPROPYLTRIMETHOXYSILANE	1400	05136	D 573K	D 166M
700	AMOCO AI POLYMER	190	05898	D1143K	D 154M
890	ANTIFOAMING AGENT D	2250	06069	D1314K	D 145M
690	ANTRON 24 /TYPE 815/ NYLON	2570			D 593M
850	ARALDITE CY-175	1590	05023	D 460K	D 298M
310	ARALDITE 488 E 32 EPOXY	1590	04929	D2771K	D 208M
320	ARALDITE 502 MODIFIED EPOXY RESIN	1590	04149	D 220K	D 88M
660	ARIZONA DRS-30	340	06621	D1866K	D 293M
590	ARIZONA TACKIFIER 27	340	06648	D1893K	D 292M
780	AROCHEM 404 /MODIFIED CONDENSATE/	240	04312	D 241K	D 283M
500	AROCHEM 90 /MODIFIED PHENOLIC/	240	04311	D 240K	D 116M
490	AROFENE 700	240	05159	D 596K	D 113M
590	AROPLAZ M-431-E-60	240	06202	D1447K	D 141M
520	AROSSET 701	240	04989	D 426K	D 120M
240	AROTHANE 190M POLYURETHANE	240	04577	D2714K	D 61M
780	ASTRO 100-P AROMATIC POLYMER	37	04864	05335P	D 157M
400	BAKELITE AYAA VINYL ACETATE RESIN	380	04074	D3021K	D 353M
490	BAKELITE CRRA 0709 PHENOLIC	1400	06650	D1895K	D 249M
490	BAKELITE CRRA 0909 PHENOLIC	1400	06651	D1896K	D 250M
10	BAKELITE POLYETHYLENE DQDA	1400	06592	D1837K	D 6M
105	BAMADENE 100	37	05123	D 560K	D 49M
530	BAVICK 11	400	06333	D1578K	D 221M
690	BCI NYLON 1157	542	05802	D1047K	D 152M
590	BECKOLIN 13-300	7630	06059	D1304K	D 254M
770	BECKOLIN 13-301	7630	06058	D1303K	D 277M
810	BENZENE, VINYL-	2470	04866	D 366K	D 163M
820	BENZENE, 1,3-BIS/TRICHLOROMETHYL/-	4480	04329	D2866K	D 164M
80	BETAPRENE H 100 HYDROCARBON	7630	07206	D2451K	D 330M
800	BICYCLO/3.1.1/HEPT-2-ENE,	4240	01858	D3127K	D 162M
	2,6,6-TRIMETHYL-				
560	BOSTIK POLYMER GP85-1010E	9196	07335	D2580K	D 575M
560	BOSTIK POLYMER GP85-1021E	9196	07336	D2581K	D 576M
560	BOSTIK POLYMER 7911 POLYESTER	9196	07359	D2604K	D 396M
560	BOSTIK POLYMER 7920 POLYESTER	9196	07337	D2582K	D 577M
560	BOSTIK POLYMER 7964 POLYESTER	9196	07338	D2583K	D 348M
560	BOSTIK POLYMER 7966 POLYESTER	9196	07339	D2584K	D 578M
560	BOSTIK POLYMER 7975 POLYESTER	9196	07340	D2585K	D 579M
560	BOSTIK POLYMER 7977 POLYESTER	9196	07341	D2586K	D 580M
120	BR 26 EXPANDED POLYSTYRENE	510		D4833K	D 431M
120	BR 26 RAW POLYSTYRENE	510		D4834K	D 432M
50	BUCAR 5000 NS	1621		D5724K	D 491M
60	BUDENE 501	3580	06317	D1562K	D 30M
60	BUDIUM POLYBUTADIENE	2570	04705	D 331K	D 27M
790	BUTADIENE, 3-METHYL-1,3-	2770	01747	D4522P	D 159M
60	BUTAREZ CTL POLYBUTADIENE	7300	02028	D 114K	D 176M
50	BUTYL RUBBER EB 268	2770	06157	D1402K	D 24M
690	CAPRAN 70 NYLON FILM	120		D4837K	D 433M
40	CARDIS POLYMER NO 10 SYNTHETIC WAX	9420	01323	D3300K	D 17M
40	CARDIS 935 POLYMER SYNTHETIC WAX	9420	01321	D4271P	D 16M
780	CARDOLITE NC-513	6470	04933	D 387K	D 286M
840	CARWINATE 125M	9130	05195	D 632K	D 170M
500	CASCOPHEN RS-216	930	04998	D 435K	D 117M
240	CASTOMER P-0010	4768		D4851K	D 434M
950	CASTOR OIL	390	01495	D4376P	D 427M
590	CATALYST M-2	6380	06062	D1307K	D 255M

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CLASS		MFG CODE	PRISM	GRATING	NMR
560	CELANAR POLYESTER FILM 2000 SERIES	1500		D4853K	D 435M
560	CELANAR POLYESTER FILM 3000 SERIES	1500		D4854K	D 436M
590	CELLOKYO 6085X	1502	D4987	D 424K	D 139M
240	CHEMGLAZE 9987	4508	D6293	D1538K	D 186M
250	CHEMIGUM N300 BACN	3580	D1688	D3699K	D 397M
320	CHEMLOK 234 BONDING AGENT	4508	D5971	D1216K	D 95M
70	CHEMPRENE R-100- ISOPRENOIDAL	1524	D5859	D1104K	D 34M
610	CHEVRON RESIN 1292	1300	D5713	D 958K	D 143M
590	CHEVRON RESIN 2202	1300	D5711	D 956K	D 253M
50	CHLOROBUTYL HT 1066 ELASTOMER	2800		D5742K	D 492M
60	CIS-4 1203 POLYBUTADIENE	7300		D5746K	D 495M
60	CISDENE 100 CIS-POLYBUTADIENE	167	D4687	D3011K	D 26M
60	CISDENE 1203 POLYBUTADIENE	172		D5743K	D 493M
60	CISDENE 1252 POLYBUTADIENE/OIL	172		D5744K	D 494M
240	CONATHANE 2025	1785	D5960	D1205K	D 248M
290	COREZYN PEF-2006 POLYETHER RESIN	1748	D4777	D 338K	D 68M
560	COREZYN 10 POLYESTER RESIN	1748	D4949	D 392K	D 131M
560	COREZYN 2 POLYESTER RESIN	1748	D4466	D 277K	D 306M
560	COREZYN 600 POLYESTER RESIN	1748	D4941	D3744K	D 227M
820	CP-468 CHLORINATED ALIPHATIC	4480	D4868	D2867K	D 287M
520	CRESLAN TYPE 58 ACRYLIC FIBER	160			D 590M
10	CULVERMUL 100	2140	D5558	D 803K	D 242M
90	CUMAR MH 1	450	D1404	D3604K	D 385M
90	CUMAR R-16-A /FORMERLY NEVILLE-R-16-A/	6790	D4544	D2936K	D 38M
90	CUMAR R-28 COUMARONE-INDENE	6790		D5440K	D 457M
90	CUMAR RH	450	D1405	D3607K	D 386M
90	CUMAR V 1	450	D1402	D4317P	D 36M
530	CYANACRYL L ACRYLIC ELASTOMER	160		D5760K	D 496M
530	CYANACRYL R ACRYLIC ELASTOMER	160		D5761K	D 497M
230	CYCOLAC H POWDER /THERMOPLASTIC/	950	D4333	D3025K	D 354M
670	CYMEI 431 MELAMINE RESIN	160	D4845	D5330P	D 260M
570	CYPLEX 1526	160	D5619	D 864K	D 134M
690	D E H 12	2470	D5099	D 536K	D 268M
320	D E N 439 EPOXY NOVOLAC RESIN	2470	D5666	D 911K	D 90M
310	D E R 330	2470	D5230	D 667K	D 203M
320	D E R 534 EPOXY RESIN	2470	D5771	D1016K	D 91M
310	D E R 667	2470	D5233	D 670K	D 82M
320	D E R 732	2470	D5036	D 473K	D 307M
970	DAATS RESIN	5691		D4878K	D 437M
560	DACRON TYPE 62 POLYESTER	2570			D 595M
210	DC 710 PHENYMETHYL POLYSILOXAN	2490	D6155	D1400K	D 184M
930	DELPET 70H	344		D5449K	D 458M
930	DELPET 80N	344		D5450K	D 459M
780	DELIN 500 ACETAL RESIN	2570	D1393	D3833K	D 409M
590	DESMALKYD S155	6630	D5625	D 870K	D 229M
560	DESMOCOLL 12 ADHESIVE	534	D6624	D1869K	D 226M
560	DESMOCOLL 130 POLYESTER	9008	D6646	D1891K	D 252M
560	DESMOCOLL 176 ADHESIVE	534	D6644	D1889K	D 251M
560	DESMOCOLL 22 ADHESIVE	534	D6623	D1868K	D 225M
240	DESMODUR N	6630	D6051	D1296K	D 62M
560	DESMOPHEN 2100 POLYESTER	534	D4919	D 386K	D 130M
290	DESMOPHEN 3400 POLYPROPYLENE GLYCOL	534	D4914	D5344P	D 199M
290	DESMOPHEN 3500 POLYPROPYLENE GLYCOL	534	D4915	D5345P	D 69M
560	DESMOPHEN 970 POLYESTER	534	D4822	D 357K	D 129M
820	DIABLO 700X	2310	D5412	D2787K	D 288M
60	DIENE-35-NF POLYBUTADIENE	2950	D1676	D4486P	D 25M
270	DION 1002 POLYMERCAPTAN RESIN	2310	D5464	D 709K	D 66M
270	DION 5-1300	2310	D5571	D 816K	D 189M
560	DIOREZ 514	1025	D6591	D1836K	D 132M
800	DIPENTENE NO 122	4240	D1475	D4361P	D 161M
840	DIPHENYLMETHANE DIISOCYANATE	9130	D5195	D 632K	D 170M
530	DDW COPOLYMER RESIN EA3018	2470	D6299	D1544K	D 224M
910	DDW CORNING Q2-2525 WAX /TO BE CALLED F-157A WAX/	2490		D5453K	D 460M
210	DDW CORNING 190 FLUID	2490	D5358	D5376P	D 454M
210	DDW CORNING 230 FLUID	2490	D6654	D1899K	D 246M
210	DDW CORNING 560 FLUID	2490			D 588M
210	DDW CORNING 703 FLUID	2490			D 589M
590	DURAPLEX C-45LV	7810	D1268	D3888K	D 419M
500	DUREZ 12603 TERPENE PHENOLIC	4480	D6808	D2053K	D 317M
490	DURITE AD 5042	930	D1512	D3809K	D 406M
490	DURITE FD5022	930	D1511	D3812K	D 407M
490	DURITE S-3936	930	D1538	D3813K	D 408M
490	DURITE S-3937	930	D1539	D3814K	D 107M
240	DYALON D POLYURETHANE	8983		D4166K	D 421M
10	DYLAN 1220 POLYETHYLENE	5220	D4288	D5179P	D 1M
120	DYLARK 232	8420		D4893K	D 138M
120	DYLARK 240	8420		D4894K	D 139M

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CLASS		MFG CODE	PRISM	GRATING	NMR
120	DYLENE 2 POLYSTYRENE	5220	D4289	D3148K	D 365M
120	DYLENE 8 /POLYSTYRENE 8X/	5220	D4337	D3149K	D 366M
120	DYLITE F408 POLYSTYRENE	8420	D7273	D2518K	D 343M
120	DYLITE KFP 164 POLYSTYRENE	8420	D7274	D2519K	D 344M
120	DYLITE SE 578 POLYSTYRENE	8420	D7275	D2520K	D 345M
670	DYNOMIN MB-14 MELAMINE-FORM-ALDEHYDE RESIN	6824	D6590	D1835K	D 151M
670	DYNOMIN UB-35 UREA FORM-ALDEHYDE RESIN	6824	D6599	D1844K	D 234M
10	EASTOBOND M-2	8950	D5965	D1210K	D 172M
10	EASTOBOND M-3	8950	D5968	D1213K	D 239M
20	EASTOBOND M-5L	8950	D6063	D1308K	D 9M
240	ELASTOTHANE 640	8970		D5798K	D 498M
400	ELVAX VINYL RESIN GRADE 150	2570	D4437	D3051K	D 215M
400	ELVAX VINYL RESIN GRADE 250	2570	D4439	D3052K	D 100M
405	ELVAX VINYL RESIN GRADE 260	2570	D6301	D1546K	D 105M
405	ELVAX 220	2570	D6332	D1577K	D 104M
690	EMERZ 1538	2750	D6148	D1393K	D 313M
690	EMERY 3795-R	2750	D6268	D1513K	D 264M
690	EMERY 3796-R	2750	D6153	D1398K	D 272M
80	EPCAR 306 ETHYLENE/PROPYLENE	3560		D5799K	D 499M
780	EPCAR 346 ELASTOMER	3560		D5624K	D 483M
80	EPCAR 545 EPDM	3560		D5800K	D 500M
780	EPCAR 5465 ELASTOMER	3560		D5626K	D 485M
780	EPCAR 585 ELASTOMER	3560		D5625K	D 484M
80	EPCAR 587 EPDM	3560		D5801K	D 501M
80	EPCAR 5875 EPDM	3560		D5804K	D 504M
80	EPCAR 845 EPDM	3560		D5802K	D 502M
80	EPCAR 847 EPDM	3560		D5803K	D 503M
780	EPI-CURE 861	1500	D6328	D1573K	D 285M
310	EPI-REZ 509 EPOXY RESIN	4820	D4788	D 348K	D 76M
310	EPI-REZ 522-C EPOXY RESIN	4820	D4937	D3130K	D 581M
310	EPI-REZ 550 EPOXY RESIN	4820	D4936	D3131K	D 582M
310	EPI-REZ 560 EPOXY RESIN	4820	D4938	D3132K	D 583M
310	EPIPHEN 823B	930	D5185	D 622K	D 204M
320	EPLEX 10 /EPON MODIFIED RESIN/	2050	D4232	D3038K	D 356M
320	EPLEX 15 /EPON MODIFIED RESIN/	2050	D4233	D3039K	D 357M
320	EPLEX 16 /EPON MODIFIED RESIN/	2050	D4231	D3040K	D 358M
310	EPDCAST 8265 EPOXY RESIN	3240	D5664	D 905K	D 201M
40	EPOLENE E POLYETHYLENE WAX	8950	D2204	D3055K	D 18M
10	EPOLENE N POLYETHYLENE	8950	D2127	D3640K	D 241M
320	EPON RESIN 152	8320	D6130	D1375K	D 210M
320	EPON RESIN 154	8320	D6009	D1254K	D 96M
310	EPON RESIN 836	8320	D6013	D1258K	D 86M
310	EPOTUF 37-139	7630	D6102	D1347K	D 77M
310	EPOTUF 37-151 EPOXY RESIN	7630	D4901	D 380K	D 78M
80	EPSYN N-557	1831		D5805K	D 505M
80	EPSYN N-597	1831		D5806K	D 506M
105	EPSYN 3506	1831		D5809K	D 509M
80	EPSYN 40-A	1831		D5807K	D 507M
80	EPSYN 4506	1831		D5810K	D 510M
80	EPSYN 5508	1831		D5811K	D 511M
80	EPSYN 70-A	1831		D5808K	D 508M
80	EPSYN 7506	1831		D5813K	D 512M
400	ESCOAT P-31	2641	D7012	D2257K	D 320M
30	ESCOREZ 1102 RESIN HYDROCARBON	2800		D4909K	D 440M
30	ESCOREZ 5320 RESIN HYDROCARBON	2800		D4910K	D 441M
660	ESTER GUM HV	2050			D 587M
450	ETHOCEL-MED. ETHYLCELLULOSE	2470		D5630K	D 487M
450	ETHOCEL-STD ETHYLCELLULOSE	2470		D5631K	D 488M
450	ETHYL CELLULOSE	2470	D1377	D 31K	D 301M
930	ETHYL METHACRYLATE	7810	D1489	D4370P	D 426M
380	EXBC	380	D1637	D4465P	D 98M
360	EXON 470 VINYL CHLORIDE COPOLYMER	2950	D4176	D3647K	D 389M
360	EXON 487	2950	D1508	D3649K	D 390M
360	EXON 497	2950	D1509	D3650K	D 391M
50	EXXON BUTYL LM 430 ELASTOMER	2800		D5821K	D 516M
50	EXXON BUTYL 065 ELASTOMER	2800		D5818K	D 513M
50	EXXON BUTYL 165 ELASTOMER	2800		D5819K	D 514M
50	EXXON BUTYL 365 ELASTOMER	2800		D5820K	D 515M
50	EXXON CHLOROBUTYL 1068	2800		D5822K	D 517M
310	FA-1 ADHESIVE	362	D5769	D1014K	D 209M
310	FA-8 ADHESIVE	362	D5770	D1015K	D 207M
590	FCD 514 /ALKYD RESIN/	3120	D4076	D3851K	D 415M
70	FIELD LATEX RAW RUBBER	7920	D4715	D3193K	D 373M
690	FIRESTONE NYLON 200	2950	D1563	D3846K	D 412M
660	FLEXALYN C	4240	D4235	D3120K	D 362M

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CL ASS		MFG CODE	PRISM	GRATING	NMR
400	FLEXBOND EXP D-108	1720	D4345	D3633K	D 387M
405	FLEXBOND 315 COPOLYMER	80	D5689	D 934K	D 123M
520	FLEXBOND 315 COPOLYMER	80	D5689	D 934K	D 123M
390	FORMVAR 7/70 POLYVINYL FORMAL	8302	D6311	D1556K	D 212M
120	FOSTA TUF-FLEX 474 POLYSTYRENE	3110		D5463K	D 464M
120	FOSTAFOAM 3375 POLYSTYRENE	3110		D5454K	D 461M
120	FOSTAFOAM 4375 POLYSTYRENE	3110		D5455K	D 462M
120	FOSTARENE 20-D-9	3110	D1569	D3848K	D 413M
120	FOSTARENE 50-D-9	3110	D1570	D3849K	D 414M
120	FOSTARENE 817 POLYSTYRENE	3110		D5461K	D 463M
250	FR-N 501 BACN	9940	D1977	D3843K	D 410M
250	FR-N 502 BACN	9940	D1978	D3844K	D 411M
250	FR-N 505 BA POLYMER	2950		D5840K	D 518M
250	FR-N 600 BA POLYMER	2950		D5843K	D 519M
250	FR-N 601 BA POLYMER	2950		D5844K	D 520M
250	FR-N 605 BA POLYMER	2950		D5845K	D 521M
250	FR-N 606 BA POLYMER	2950		D5846K	D 522M
250	FR-N 607 BA POLYMER	2950		D5847K	D 523M
830	FS 1265 FLUID	2490	D7003	D2248K	D 319M
290	G-2720 FOAM ADDITIVE	310	D5877	D1122K	D 190M
100	GAMMAPRENE A100	7630	D5756	D1001K	D 44M
300	GANTREZ AN-3955	3400	D6324	D1569K	D 75M
380	GANTREZ M-155	3400	D5132	D 569K	D 211M
405	GELVA C-3, V-20 VINYL ACETATE	6540		D5467K	D 465M
400	GELVA C-3,V10 POLYVINYL ACETATE	8302	D4632	D2983K	D 101M
690	GENAMID 2000	3450	D4968	D 405K	D 263M
690	GENAMID 310 CO-REACTANT FOR EPOXIES	3450	D4277	D3855K	D 416M
310	GENEPOXY 185	3450	D4969	D 406K	D 217M
310	GENEPOXY 450	3450	D6302	D1547K	D 81M
360	GEON 222	3560			D 584M
530	GP 40-1005	9196	D7343	D2588K	C 349M
890	GP-217 PHENOL/FORMALDEHYDE	3479		D4943K	D 442M
890	GP-218 PHENOL/FORMALDEHYDE	3479		D4944K	D 443M
470	HALF SECOND PROPIONATE	8950	D6196	D1441K	D 314M
290	HALLCO ANTI-STAT C-1003-P	3880	D6073	D1318K	D 191M
290	HALLCO CPH-142-N	3880	D6083	D1328K	D 197M
320	HARDENER DS-7077	8455	D6342	D1587K	D 97M
660	HERCOLYN D	4240	D1729	D4511P	D 147M
470	HERCOSE S	4240	D1376	D3865K	D 106M
490	HERESITE RO-88 /PURE PHENOLIC RESIN	4260	D4084	D 192K	D 110M
570	HETRON 355 UNSATO POLYESTER	2580	D5708	D 953K	D 135M
10	HI-FAX 1400E POLYETHYLENE	4240	D4598	D2863K	D 171M
290	HITAFRAN 303	4303	D5573	D 818K	D 200M
690	HITAMID 503	4303	D6316	D1561K	D 270M
490	HITANOL 2181	4303	D5598	D 843K	D 114M
390	HOSTAFORM C 13021 ACETAL COPOL	8996		D5860K	D 526M
390	HOSTAFORM C 27021 ACETAL COPOL	8996		D5862K	D 528M
390	HOSTAFORM C2521 ACETAL COPOLY.	8996		D5861K	D 527M
390	HOSTAFORM C9021 ACETAL COPOLY	8996		D5858K	D 524M
390	HOSTAFORM C9021 GV 1/30	8996		D5859K	D 525M
390	HOSTAFORM T 1020 ACETAL COPOLY	8996		D5863K	D 529M
250	HYCAR 1022 BA COPOLYMER	3560		D5865K	D 530M
250	HYCAR 1024 BA COPOLYMER	3560		D5866K	D 531M
250	HYCAR 1312 /LIQUID OR-25/	3590	D1926	D3098K	D 63M
530	HYCAR 4041 ACRYLIC ESTER COPOL	3560		D5867K	D 532M
290	HYDRIN 100 POLYEPICHLOROHYDRIN	3560	D5878	D1123K	D 309M
660	HYDROGUM 400	7630	D5798	D1043K	D 231M
740	HYPALON 20	2570	D1741	D4519P	D 429M
740	HYPALON 30 CHLOROSULFONATED POLYMER	2570	D2196	D4721P	D 430M
740	HYPALON 4085	2570		D5872K	D 534M
740	HYPALON 45	2570		D5870K	D 533M
50	INDOPOL L-10 POLYBUTENE	190	D4547	D 298K	D 19M
520	IONAC PA-910 ACRYLIC POLYMER	8879		D4964K	D 444M
720	IONAC PP-2000X	4755	D6018	D1263K	D 311M
720	IONAC PP-2040X	4755	D6022	D1267K	D 312M
520	IONAC X-115H ACRYLIC POLYMER	8879		D4965K	D 445M
80	IR 309	8310	D7241	D2486K	D 337M
80	IR 501	8310	D7243	D2488K	D 338M
840	ISOCYANIC ACID, 3,3*-DIMETHOXY- 4,4*-BIPHENYLENE ESTER	9130	D5195	D 632K	D 170M
840	ISONATE 123P	9130	D6560	D1805K	D 316M
240	ISONATE 125MF	9130	D6144	D1389K	D 187M
790	ISOPRENE	2770	D1747	D4522P	D 159M
70	ISOPRENE LATEX 700	8320	D4712	D2989K	D 33M

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CLASS		MFG CODE	PRISM	GRATING	NMR
210	K-1045R SILICONE RUBBER	1400			D 585M
560	KELTROL 1013	8565	D5892	D1137K	D 310M
690	KERIMID 601 POLYAMIDE RESIN	7709		D4967K	D 446M
780	KETONE RESIN N	510	D5212	D 645K	D 158M
560	KODEL TYPE II	2655			D 591M
130	KRATON 101	8320	D5190	D 627K	D 51M
130	KRATON 1101 STYRENE/BUTADIENE	8320	D7233	D2478K	D 334M
130	KRATON 1102 STYRENE/BUTADIENE	8320	D7234	D2479K	D 335M
130	KRATON 1107 STYRENE/ISOPRENE	8320	D7235	D2480K	D 336M
780	KRUMBHAAR K-1717B RESIN	5280	D6015	D1260K	D 299M
780	KRUMBHAAR K-1717HMP RESIN	5280	D6038	D1283K	D 300M
310	LEKUTHERM E 701	534	D5253	D 690K	D 83M
310	LEKUTHERM X-50	6630	D6101	D1346K	D 206M
400	LEMAC 541-20	930	D5683	D 928K	D 102M
580	LEXAN NB-155	3420	D6558	D1803K	D 138M
580	LEXAN 115	3420	D1775	D3667K	D 137M
530	LUCITE 2042 POLYETHYL METHACRYLATE	2570	D4675	D3053K	D 126M
530	LUCITE 2044 POLYBUTYL METHACRYLATE	2570	D1201	D4201P	D 423M
530	LUCITE 2045 POLYMETHACRYLATE	2570	D1202	D4202P	D 424M
530	LUCITE 2013	2570	D6246	D1491K	D 223M
860	LUPERCO AST	9350	D6598	D3799K	D 235M
120	LUSTREX HI-FLOW 55	6540	D5560	D 805K	D 180M
380	LUTONAL J 60	510	D5004	D 441K	D 99M
670	MAQCO-4000	3520	D6230	D1475K	D 261M
580	MAKROFOL E POLYCARBONATE	534		D5884K	D 535M
580	MAKROFOL G	534		D5885K	D 536M
580	MAKROFOL KG POLYCARBONATE	534		D5886K	D 537M
580	MAKROFOL N POLYCARBONATE	534		D5887K	D 538M
690	MARANYL A127 NATURAL NYLON	4650		D5889K	D 539M
230	MARBON 9200NV HIGH STYRENE ABS	5960	D4763	D3026K	D 355M
560	MELINEX TYPE S/92 GAUGE	4645		D5893K	D 540M
800	P-MENTH-1,8-DIENE	4240	D1475	D4361P	D 161M
780	METAMARBLE PM 1001 N	8915		D5896K	D 541M
930	METHACRYLIC ACID, ETHYL ESTER	7810	D1489	D4370P	D 426M
790	2-METHYL-1-PENTENE	3580	D4865	D3112K	D 160M
10	MICROTHENE ML 733X	9170	D6437	D1682K	D 5M
320	MIRASOL 601 EPON RESIN	7060	D4292	D2939K	D 89M
210	MOLD RELEASE COMPOUND M-48	2730	D6240	D1485K	D 185M
700	MONTREK 18 POLYETHYLENIMINE	2470	D5810	D1055K	D 153M
20	MOPLEFANE S POLYPROPYLENE	6545	D4700	D 327K	D 8M
560	MORESTER 939 SATD. POLYESTER	7270	D7174	D2419K	D 324M
560	MORESTER 942 POLYESTER	7270		D599M	
560	MORESTER 969 SATD. POLYESTER	7270	D7175	D2420K	D 325M
560	MORESTER 973 SATD. POLYESTER	7270	D7173	D2418K	D 323M
560	MORESTER 984 SATD. POLYESTER	7270	D7176	D2421K	D 326M
900	MR-74 KETONE RESIN	6525		D5497K	D 466M
900	MR-85H KETONE RESIN	6525		D5499K	D 467M
840	NAFIL RESIN SE-616A POLYISOCYANATE	1507	D4796	D5313P	D 169M
70	NATURAL RUBBER NO 1 THICK CREPE	9425	D4711	D5294P	D 32M
130	NAUGAPOL 1023 SBR	9180	D2107	D3267K	D 384M
290	NEGOMEL AL-5	270	D5399	D2883K	D 193M
150	NEVCHEN 100 AROMATIC HYDROCARBON	6790	D4948	D2929K	D 54M
90	NEVILLAC RX	6790	D1423	D3154K	D 39M
30	NEVILLE LX 685-180	6790	D4550	D2932K	D 13M
100	NEVILLITE NO 1	6790	D8417	D3155K	D 367M
100	NEVILLITE V	6790	D1418	D3156K	D 582M
780	NEVOXY 21 EPOXY EXTENDER	6790	D4883	D 372K	D 279M
780	NEVOXY 31 EPOXY EXTENDER	6790	D4881	D 371K	D 281M
100	NEVPENE 130	6790	D5860	D1105K	D 179M
660	NEWPORT HIFOS 138 WOOD ROSIN	8925	D7298	D2543K	D 571M
100	NIREZ 1100 RESIN TERPENE RESIN	8925	D7300	D2545K	D 347M
100	NIREZ 1115 RESIN TERPENE RESIN	8925	D7301	D2546K	D 572M
100	NIREZ 1125 RESIN TERPENE RESIN	8925	D7302	D2547K	D 573M
100	NIREZ 1135 RESIN TERPENE RESIN	8925	D7303	D2548K	D 574M
100	NIREZ 2092	8925	D6006	D1251K	D 45M
430	NITROCELLULOSE /BLEACHED/	4240	D1364	D4296P	D 425M
890	NONYL PHENOL	4780	D1829	D4576P	C 4M
80	NORDEL 1040	2570		D5907K	D 542M
80	NORDEL 1070	2570	D5208	D 645K	D 177M
80	NORDEL 1320	2570		D5908K	D 543M
80	NORDEL 1440	2570		D5909K	D 544M

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CLASS		MFG CODE	PRISM	GRATING	NMR
80	NORDEL 1470	2570		D5910K	D 545M
310	NUOSTABE V- 205	6880	D5282	D3786K	D 205M
690	NYLON MOLDING RESIN FM 6001	2570	D1557	D4410P	D 428M
690	NYLON 1003	1500		D5911K	D 546M
30	PANAREZ 6-210	190	D4073	D3012K	D 11M
30	PANAREZ 8-210 PETROLEUM RESIN	190	D1840	D3013K	D 352M
580	PANLITE G 3115 POLYCARBONATE	8915		D5915K	D 547M
580	PANLITE G 3130 POLYCARBONATE	8915		D5916K	D 548M
580	PANLITE K-1300 NATURAL	8915		D5917K	D 549M
580	PANLITE L 1250 POLYCARBONATE	8915		D5918K	D 550M
840	PAPI-18	9130		D4184K	D 422M
250	PARACRIL 3300	9180		D5919K	D 551M
250	PARACRIL 4525	9180		D5921K	D 552M
250	PARACRIL 4940 LM	9180		D5922K	D 553M
90	PARADENE NO 2	6790	D1416	D2938K	D 37M
590	PARAPLEX G-20 /SEBACIC ALKYD. RESIN/	7810	D4102	D 201K	D 305M
570	PARAPLEX 5-B-80	7810	D4109	D 206K	D 133M
190	PARLON /CHLORINATED RUBBER POLYMER/	4240	D1656	D3867K	D 417M
30	PAVEBRITE C-49980	6790	D4601	D2937K	D 174M
660	PE ESTER GUM	2050			D 598M
610	PENTACITE P-406	7630	D6023	D1268K	D 258M
660	PENTALYN 856 HM THERMOPLASTIC RESIN	4240	D4193	D2865K	D 148M
790	1-PENTENE, 2-METHYL-	3580	D4865	D3112K	D 160M
250	PERBUNAN N2807 NS BAN COPOLYM.	6510		D5923K	D 554M
250	PERBUNAN N2610 BAN COPOLYMER	6510		D5924K	D 555M
250	PERBUNAN N2818 NS BAN COPOLYM.	6510		D5925K	D 556M
690	PERLON NYLON 6	534			D 594M
610	PETREX SS	4240	D1257	D3720K	D 403M
50	PETRO-TEX BUTYL F8	7310		D5926K	D 557M
50	PETRO-TEX BUTYL FBNS	7310		D5927K	D 558M
10	PETROTHENE LB 742	9170	D6286	D1531K	D 3M
490	PHENOLIC RESIN MCF-34	930	D4348	D3022K	D 108M
130	PHILPRENE 1708 SBR	7300	D2037	D3163K	D 368M
490	PICCO ETP-105 PHENOLIC RESIN	7220	D7165	D2410K	D 321M
500	PICCO LTP-100	7220	D5149	D 586K	D 118M
105	PICCO 6130-3	7220	D6322	D1567K	D 47M
800	PICCODIENE 2285	4240		D5514K	D 468M
105	PICCODIENE 6215 HYDROCARBON	7220	D7166	D2411K	D 322M
140	PICCOLASTIC C125	7220	D1593	D3883K	D 418M
100	PICCOLYTE A-115	7220	D5150	D 587K	D 42M
100	PICCOLYTE S-40 HYDROCARBON TERPENE	7220	D4293	D3755K	D 41M
30	PICCOPALE 100-SF FLAKED	7220	D6245	D1490K	D 14M
140	PICCOTEX 120	7220	D5170	D 607K	D 183M
90	PICCOUMARON 25	7220	D5015	D 452K	D 40M
105	PICCOVAR AP-10	7220	D5018	D 455K	D 46M
80	PICCOVAR L-60	7220	D6392	D1637K	D 178M
30	PICCOVAR 75	7220	D4545	D2944K	D 12M
800	A-PINENE	4240	D1858	D3127K	D 162M
390	PIOLOFORM BL 18	9320	D6411	D1656K	D 213M
670	PLASTOPAL TS	510	D5196	D 633K	D 233M
690	PLATAMID COPOLYAMIDE	7725		D5659K	D 489M
130	PLIOFLEX 1006 SBR	3580	D1693	D3707K	D 398M
130	PLIOFLEX 1500C SBR	3580	D1694	D3708K	D 399M
130	PLIOFLEX 1502 SBR	3580	D1695	D3709K	D 400M
130	PLIOFLEX 1510 SBR	3580	D1698	D3710K	D 401M
130	PLIOFLEX 1778 SBR	3580	D1950	D3711K	D 402M
60	PLIOFLEX 5000	3580	D6320	D1565K	D 31M
140	PLIOLITE AC	3580	D5461	D 706K	D 121M
520	PLIOLITE AC	3580	D5461	D 706K	D 121M
130	PLIOLITE S-7 THERMOPLASTIC	3580	D4279	D3108K	D 181M
150	PLIOLITE VTAC	3580	D5471	D 716K	D 122M
520	PLIOLITE VTAC	3580	D5471	D 716K	D 122M
60	POLY B-D CS-15	8430	D5457	D 702K	D 28M
60	POLY B-D R-45M	8430	D5858	D1103K	D 29M
120	POLY DIA P-001 POLYSTYRENE	7361		D5534K	D 469M
120	POLY DIA P-003 POLYSTYRENE	7361		D5535K	D 470M
120	POLY-CHEM PG-3 POLYSTYRENE	7361		D5933K	D 559M
120	POLY-CHEM PH-88 POLYSTYRENE	7361		D5934K	D 560M
690	POLYAMIDE 1	4290	D5114	D 551K	D 269M
690	POLYAMIDE RESIN 90-S	3450	D1551	D3673K	D 392M
690	POLYAMIDE RESIN 93-S	3450	D1552	D3674K	D 393M
690	POLYAMIDE RESIN 94-S	3450	D1553	D3675K	D 394M
690	POLYAMIDE RESIN 95S	3450	D1554	D4408P	D 267M
520	POLYCO 0155 TERPOLYMER	930	D5691	D 936K	D 124M
405	POLYCO 0155 TERPOLYMER	930	D5691	D 936K	D 124M
530	POLYCO 2725	930	D5890	D1135K	D 128M
290	POLYETHYLENE GLYCOL DILAUATE	8070	D5989	D1234K	D 192M
290	POLYGLYCOL B-500	2470	D1882	D4601P	D 67M
690	POLYHEXAMETHYLENEBISACRYLAMIDE	930	D5429	D2737K	D 271M
290	POLYMEG	7570	D6204	D1449K	D 196M
520	POLYMER KF-710, EXPERIMENTAL	7810		D5627K	D 486M

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CLASS		MFG CODE	PRISM	GRATING	NMR
270	POLYMER LP 32 LIQUID POLYMER	8970	D2018	D4656P	D 64N
30	POLYMER 63-7501-0	4730	D6061	D1306K	D 10M
690	POLYIMID 1560	5280	D6277	D1522K	D 266M
20	POLYPOL 19 POLYPROPYLENE	2060		D5980K	D 569M
290	POLYPROPYLENE GLYCOL	400	D6194	D1439K	D 71M
20	POLYPROPYLENE, ATACTIC	170	D4441	D3019K	D 7M
50	POLYSAR BUTYL 100	7367	D2055	D3165K	D 369M
50	POLYSAR BUTYL 101	7367	D2056	D3166K	D 370M
50	POLYSAR BUTYL 200	7367	D2057	D3167K	D 371M
50	POLYSAR BUTYL 301	7367	D2058	D3168K	D 372M
130	POLYSAR KRYLENE NS SBR	7367	D2262	D3170K	D 373M
250	POLYSAR KRYNAC 805 BACN	7367	D2263	D3173K	D 374M
130	POLYSAR KRYNOL 652 SBR	7367	D2042	D3175K	D 375M
130	POLYSAR KRYNOL 654 SBR	7367	D2043	D3177K	D 376M
130	POLYSAR S SBR	7367	D2038	D3181K	D 377M
730	POLYSULFONE	1400	D6427	D1672K	D 315M
20	POLYTAC POLYPROPYLENE	2060		D5979K	D 568M
340	POLYVINYL CHLORIDE RESIN VC-65	930	D1889	D 103K	D 302M
420	POLYVINYL PYRROLIDONE	1036	D6822	D2067K	D 318M
50	POLYVIS O-SH POLYBUTENE	1860	D4934	D 388K	D 20M
50	POLYVIS IO-SH POLYBUTENE	1860	D4685	D 325K	D 21M
290	PPD POLYPHENYLENE OXIDE	3420	D6164	D1409K	D 583M
290	PR 1000W	2465	D5574	D 819K	D 198M
660	PRIMAREX 80 TALL OIL ROSIN	3520	D7230	D2475K	D 331M
290	PRODUCT LA 19	2250	D6064	D1309K	D 194M
290	PROPYLAN 3	5360	D5466	D 711K	D 195M
790	PROPYLENE DIMER 2-METHYL-1-PENTENE	3580	D4865	D3112K	D 160M
120	PS-1105 POLYSTYRENE	2171		D5537K	D 471M
710	PVP-VA S-630	180	D4857	D3088K	D 361M
240	Q-THANE QE 226.05 POLYURETHANE	7585		D5023K	D 447M
240	Q-THANE QE-13910 ELASTOMER	7585		D5024K	D 448M
240	Q-THANE QE-16974 ELASTOMER	7585		D5025K	D 449M
560	Q-THANE QE-19857 ELASTOMER	7585		D5026K	D 450M
260	REDON POLYACRYLONITRILE	7305			D 596M
530	RESARIT 840	7685	D6661	D1906K	D 291M
530	RESARIT 844Z	7685	D6737	D1982K	D 232M
670	RESIMENE U920 MELAMINE,UREA RESIN	6540	D4022	D2908K	D 262M
780	RESIN AW2	510	D5402	D3808K	D 284M
780	RESIN 26M	510	D5403	D2729K	D 282M
80	RESIN 510 B 108	4740	D6634	D1879K	D 294M
530	REZ-N-GLUE 3	8125	D5957	D1202K	D 222M
10	RIBLENE C36/KDE	205	D6423	D1668K	D 4M
130	RICON 100 POLYBUTADIENE-STY-RENE	9008	D6620	D1865K	D 182M
60	RICON 150 POLYBUTADIENE	9008	D6619	D1864K	D 175M
570	ROSKYDAL E 80 POLYESTER	6630	D5710	D 955K	D 136M
80	ROYALENE 301-T	9180		D5949K	D 564M
80	ROYALENE 400	9180		D5946K	D 561M
80	ROYALENE 521	9180		D5947K	D 562M
80	ROYALENE 611	9180		D5948K	D 563M
240	ROYLAR ED-65 POLYURETHANE	9180		D5538K	D 472M
260	RTV-6168	3420	D5307	D3669K	D 188M
130	S-1011 STYRENE/BUTADIENE	8310	D7244	D2489K	D 339M
130	S-1506-25 STYRENE/BUTADIENE	8310	D7249	D2494K	D 340M
130	S-1513-11 STYRENE/BUTADIENE	8310	D7250	D2495K	D 341M
130	S-1703-11 STYRENE/BUTADIENE	8310	D7251	D2496K	D 342M
740	SANTOLITE MHP	6540	D4027	D2909K	D 155M
740	SANTOLITE MS	6540	D4028	D2910K	D 350M
690	SCOPE 30	4800	D5218	D 655K	D 237M
320	SETAL 2786 VV-60	9887	D5669	D 914K	D 92M
210	SF-1023 PAINT ADDITIVE	3420	D5659	D 904K	D 56M
210	SF-1034	3420	D6664	D1909K	D 247M
210	SF-1066 FOAM CELL CONTROL	3420	D5660	D 905K	D 57M
560	SHANCO 6,000 RESIN	8280	D7232	D2477K	D 333M
500	SHANCO L-1032	8280	D4038	D3196K	D 115M
500	SHANCO L1001 RESIN	8080	D1545	D3889K	D 420M
500	SHANCO 400 RESIN	8280		D5951K	D 565M
240	SHARNET 100 POLYURETHANE	3560		D5546K	D 473M
830	SILANE, N-/B-AMINOETHYL/-G-AMINOPROPYLTRIMETHOXY-,	1400	D5474	D 719K	D 168M
830	SILANE, VINYL-,	1400	D5135	D 572K	D 165M
830	SILANE, VINYLTRIMETHOXY-,	1400	D5137	D 574K	D 167M
830	SILANE, 3-AMINOPROPYLTRIMETHOXY-,	1400	D5136	D 573K	D 166M

SADTLER COMMERCIAL SPECTRA

POLYMERS

ALPHABETICAL NMR 60MHZ INDEX

CLASS		MFG CODE	PRISM	GRATING	NMR
950	SIRAL 5721 MALEIC RESIN	8525		D5547K	D 474M
950	SIRAL 5824 MALEIC RESIN	8525		D5548K	D 475M
300	SMA RESIN NO 1420-A	8430	D4745	D2997K	D 73M
300	SMA RESIN NO 3000-AS	8430	D4746	D2999K	D 74M
300	SMA RESIN 1440A	300		D5562K	D 477M
300	SMA 2000A	300		D5559K	D 476M
130	SOLPRENE 1205 BUTADIENE/STYRENE	7300	D7182	D2427K	D 329M
60	SOLPRENE 201 POLYBUTADIENE	7300	D7180	D2425K	D 327M
130	SOLPRENE 300 BUTADIENE/STYRENE	7300	D7181	D2426K	D 328M
840	SPENKEL 923-60CX	8565	D5906	D1151K	D 295M
840	SPENKEL P49-75S	8565	D5909	D1154K	D 296M
210	SR-174 SILICONE RESIN	3420	D6142	D1387K	D 58M
810	STYRENE MONOMER	2470	D4866	D 366K	D 163M
600	STYRETEX 312 STYRENATED ALKYD	4820	D2274	D4744P	D 142M
120	STYRON 475 NATURAL NO 7	2470	D4045	D3637K	D 388M
490	SUPER-BECKACITE 2000	7630	D5787	D1032K	D 112M
120	SUPERFLEX 900	3895	D5761	D1006K	D 50M
210	SYLKYO 50	2490	D6435	D1680K	D 59M
660	SYLVAROS HSP TALL OIL ROSIN	3520	D7231	D2476K	D 332M
670	SYN-U-TEX 403 UREA FORMALDEHYDE	4820	D2275	D3147K	D 149M
670	SYN-U-TEX 4100 UREA MELAMINE RESIN	4820	D4050	D 181K	D 150M
130	SYNPOL 1002 SBR	8992	D2070	D3240K	D 379M
130	SYNPOL 1500 SBR	8992	D2074	D3242K	D 380M
130	SYNPOL 1551 SBR	8992	D2076	D3244K	D 381M
130	SYNPOL 1703 SBR	8992	D2077	D3245K	D 382M
130	SYNPOL 1707 SBR	8992	D2078	D3246K	D 383M
950	SYNRESOL FCS-3012	8280		D5958K	D 567M
950	SYNRESOL 6V	8280		D5957K	D 566M
630	SYNTEX 3304 ALKYD RESIN	4820	D1986	D3145K	D 144M
610	SYNTH-COPAL 1200	7630	D6007	D1252K	D 256M
500	SYNVARITE RC6H PHENOLIC RESIN	8893	D7296	D2541K	D 346M
470	TEN SECOND BUTYRATE	8950			D 600M
470	TENITE PROPIONATE 338A	2655		D5079K	D 451M
20	TETRAPROPYLENE	2770			D 597M
570	TEXIN 480A	6510			D 586M
290	THANOL F-3002	4780	D6105	D1350K	D 70M
130	THERMOLASTIC 125-1000 CLEAR	8320	D5561	D 806K	D 52M
780	THIOL EM-206	8970	D4372	D5199P	D 280M
270	THIOL LP-205 POLYSULFIDE POLYMER	8970	D2086	D 121K	D 65M
270	THIOL LP-31 POLYSULFIDE POLYMER	8970	D2085	D 120K	D 304M
60	TRANS-4 RUBBER TRANS-POLYBUTADIENE	7300	D2030	D 115K	D 303M
340	TRULON 910	8993	D6271	D1516K	D 228M
230	TUFREX 240 ABS TERPOLYMER	6480		D5086K	D 452M
190	TYR 2243.16	2470	D6167	D1412K	D 55M
730	UDEL POLYSULFONE P-1700	1400		D5688K	D 490M
670	UFORMITE MX-61	7810	D4104	D2982K	D 351M
840	ULTRAVIOLET ABSORBER 317	6630	D6040	D1285K	D 297M
830	UNION CARBIDE A-151	1400	D5137	D 574K	D 167M
830	UNION CARBIDE A-172	1400	D5135	D 572K	D 165M
830	UNION CARBIDE A-186	1400	D5139	D 576K	D 289M
830	UNION CARBIDE A-1110	1400	D5136	D 573K	D 166M
830	UNION CARBIDE A-1120	1400	D5474	D 719K	D 168M
560	VALOX POLYESTER RESIN	3420		D5094K	D 453M
320	VANOXY 112	9220	D5579	D 824K	D 93M
310	VANOXY 128	9220	D5576	D 821K	D 84M
310	VANOXY 202	9220	D5880	D1125K	D 85M
310	VANOXY 204	9220	D6188	D1433K	D 79M
310	VANOXY 209	9220	D6186	D1431K	D 202M
490	VARCUM 2217 PHENOLIC RESIN	7630	D4925	D2966K	D 111M
30	VELSICOL AB 11-4 THERMOPLASTIC/	9250	D4121	D 215K	D 173M
30	VELSICOL CO-67 RESIN POLYMER	9250	D6636	D1881K	D 244M
140	VELSICOL X-30 RESIN	9250	D4546	D5255P	D 53M
30	VELSICOL XL-39 RESIN	9250	D6318	D1563K	D 15M
690	VERSAMID X280	3450	D5967	D1212K	D 87M
320	VERSAMID X280	3450	D5967	D1212K	D 87M
320	VERSAMID 230	3450	D5964	D1209K	D 265M
690	VERSAMID 230	3450	D5964	D1209K	D 265M
690	VERSAMID 335	3450	D6217	D1462K	D 238M
690	VERSAMID 711	3450	D6330	D1575K	D 236M
690	VESTAMID X 1205 NYLON 12	4511	D5807	D1052K	D 273M
530	VIACRYL 32	9265	D6398	D1643K	D 220M
610	VIALKYD D 4	9265	D6387	D1632K	D 230M
610	VIALKYD TRE 36	9265	D6396	D1641K	D 257M
470	VIALKYD TRS 74	9265	D6384	D1629K	D 218M