

CONTROLLED
PYROLYZATES
OF POLYMERS
IR Grating Spectra

Volume 3—8

DD 601 K — DD 2400 K

With Indices

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On the other hand every effort is made by Sadtler Research Laboratories, Inc. to assure the reliability of the published spectra. When improved data is available or errors are called to our attention we revise and reissue the proper replacement spectra.

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A-C COPOLYMER GRADE 540

ETHYLENE/ORGANIC ACID COPOLYMER

Source: Allied Chemical Corporation



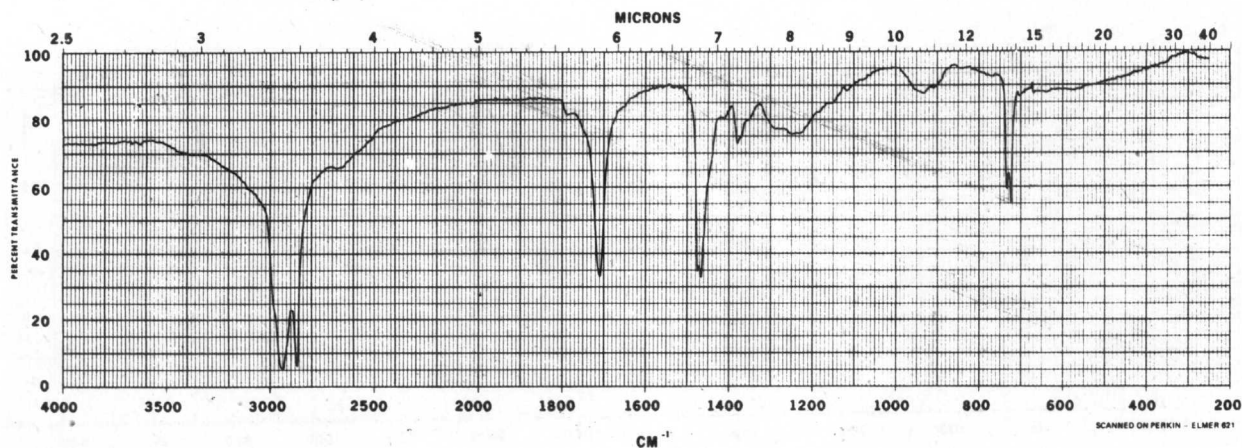
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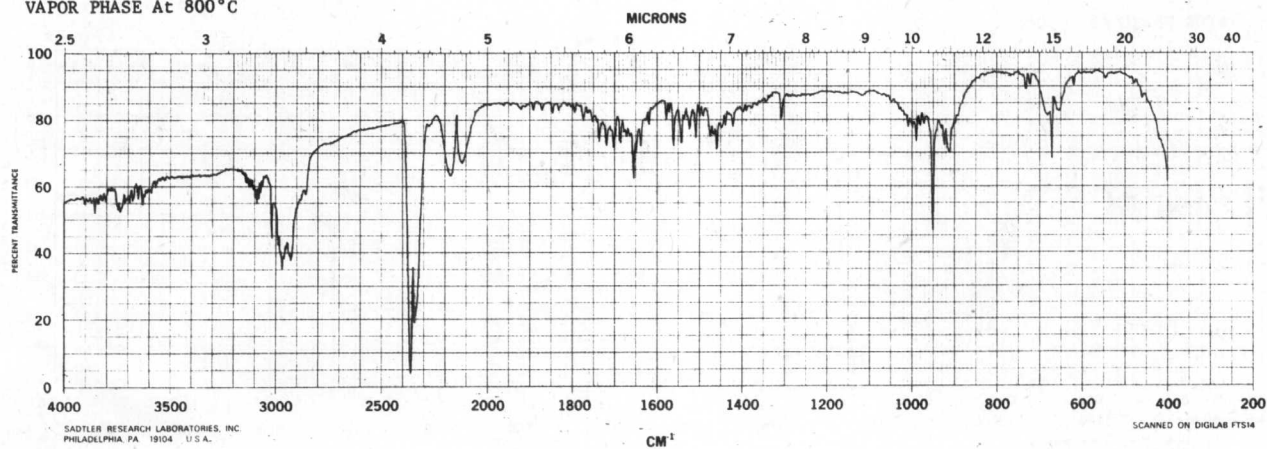
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CONTROLLED PYROLYZATES

GRATING SPECTRA

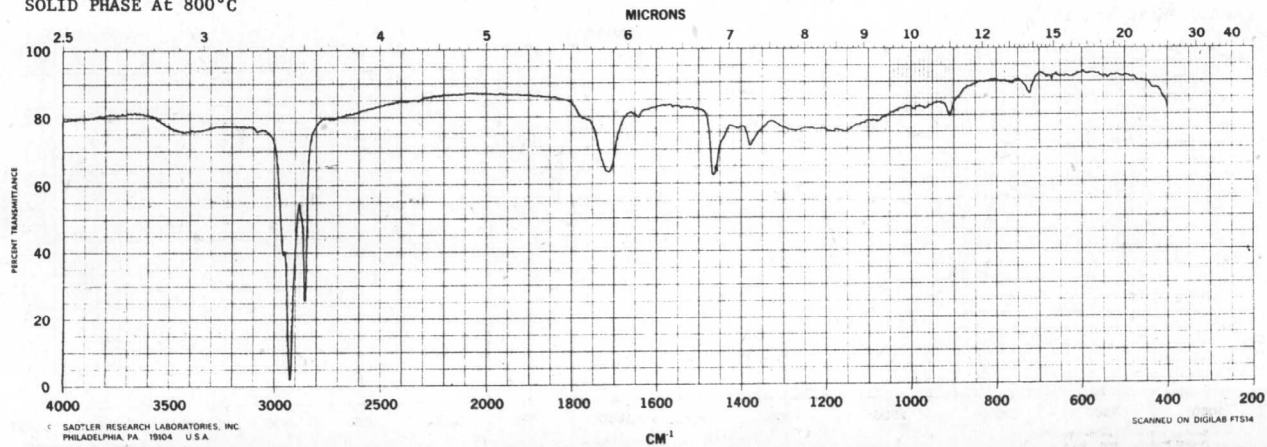


VAPOR PHASE At 800°C



DD 601K

SOLID PHASE At 800°C



DD 602K

A-C POLYETHYLENE 617



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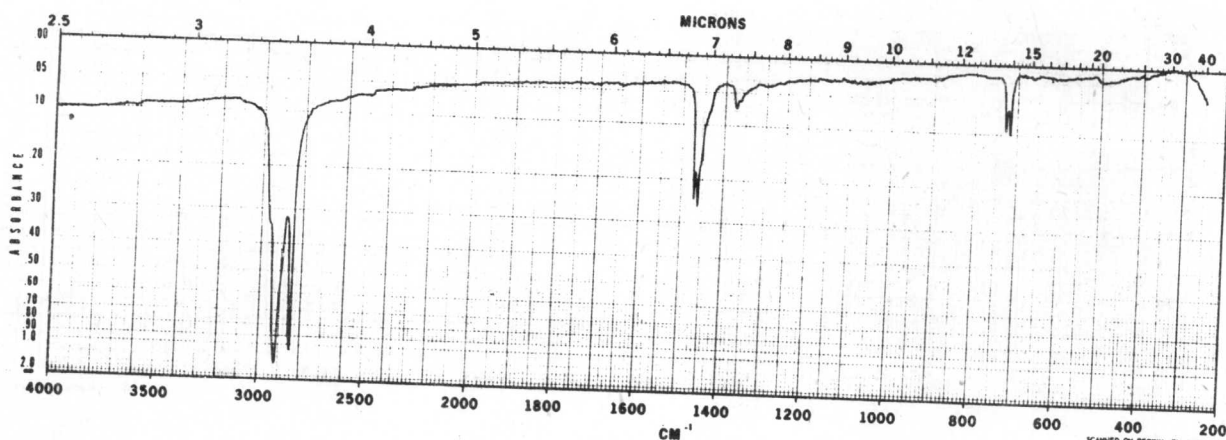
Source: Allied Chemical Corporation,
Plastics Division

COMMERCIAL - INFRARED

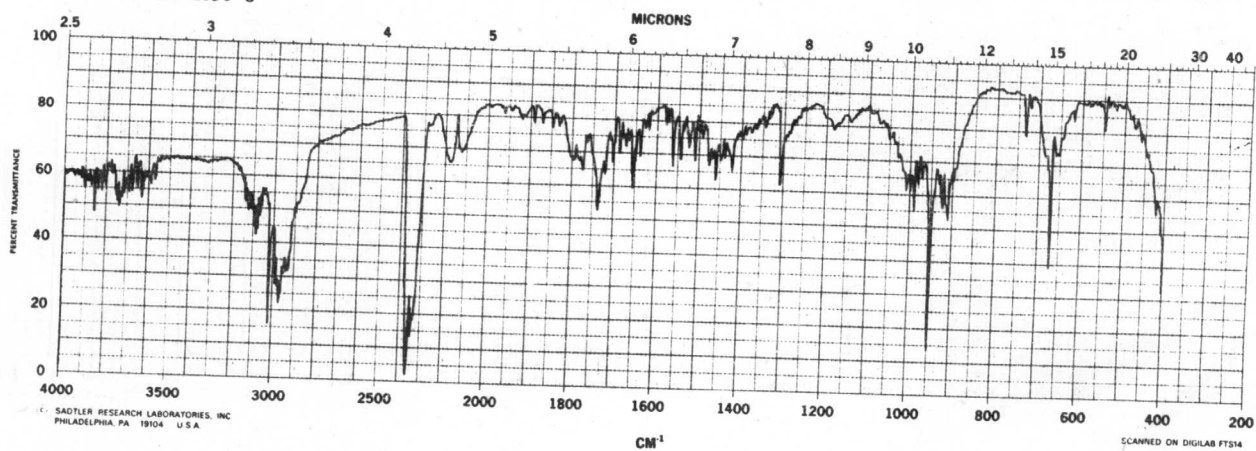
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CONTROLLED PYROLYZATES

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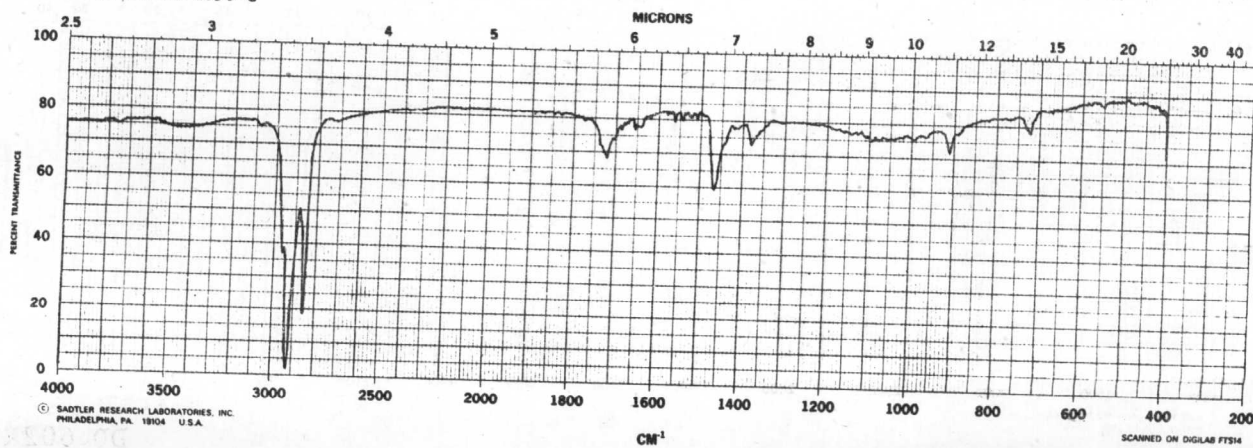


VAPOR PHASE At 1050°C



DD 603K

SOLID PHASE At 1050°C



DD 604K

ABRIL PDS LUMP



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M.P. 160-166°C

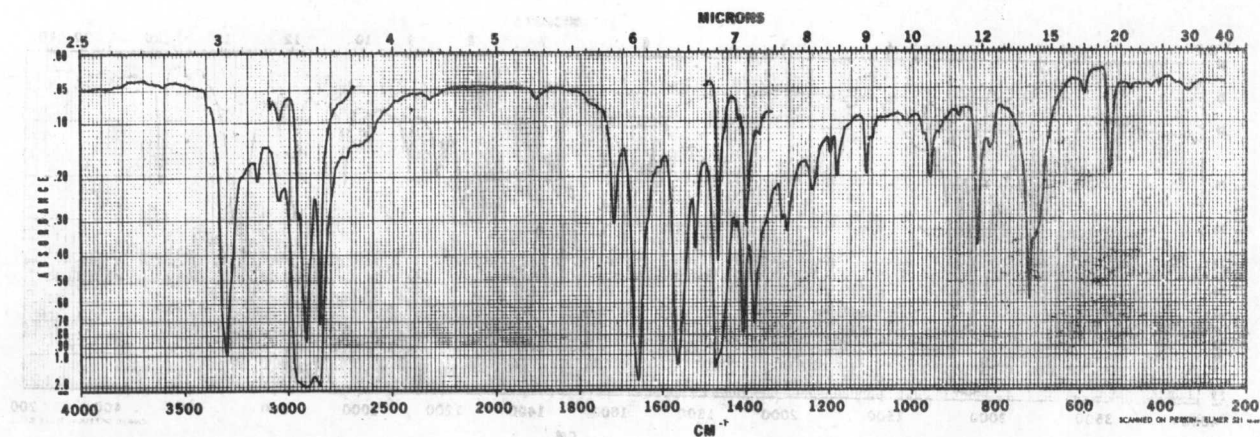
Sp. Gr. 0.94

Acid Value 5-20

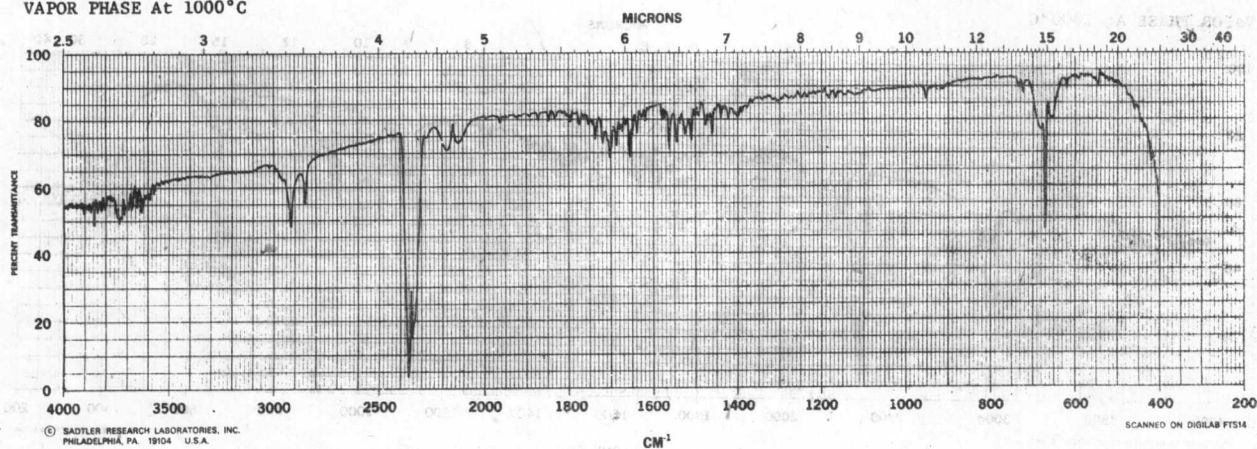
Source: Abril Industrial Waxes Ltd.

CONTROLLED PYROLYZATES

GRATING SPECTRA



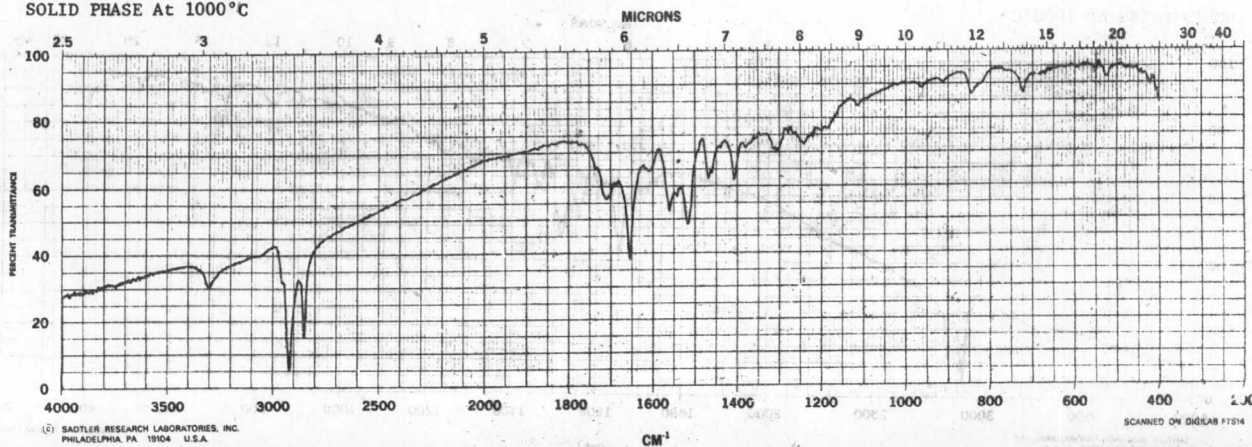
VAPOR PHASE At 1000°C



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DD 605K

SOLID PHASE At 1000°C



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DD 606K

ABRIL BPB LUMP



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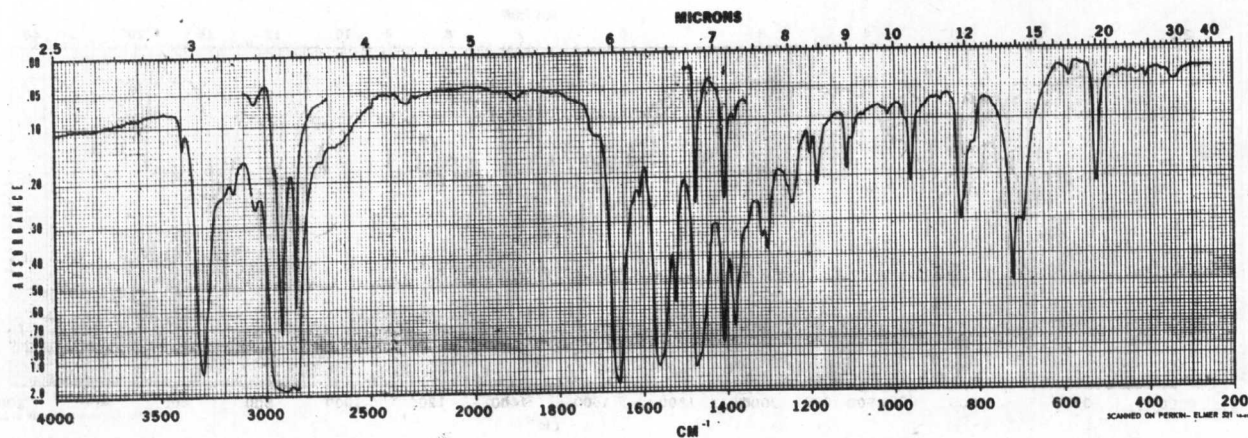
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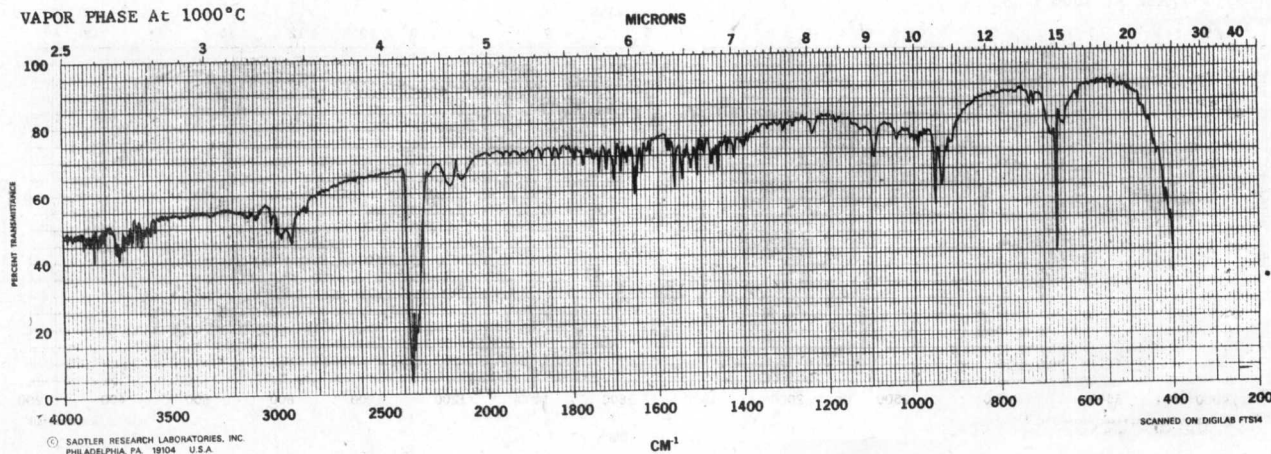
M.P. 160-166°C
Sp. Gr. 1.02
Acid Value 7-19
Source: Abril Industrial Waxes Ltd.

CONTROLLED PYROLYZATES

GRATING SPECTRA



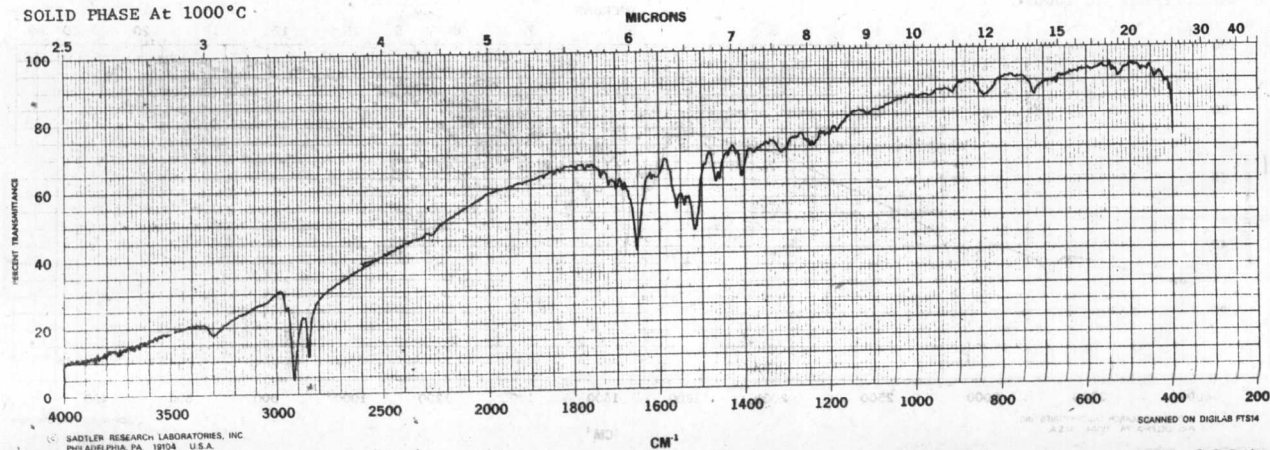
VAPOR PHASE At 1000°C



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DD 607K

SOLID PHASE At 1000°C



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DD 608K

ABSELEX



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EXTRUDED ACRYLONITRILE/BUTADIENE/STYRENE

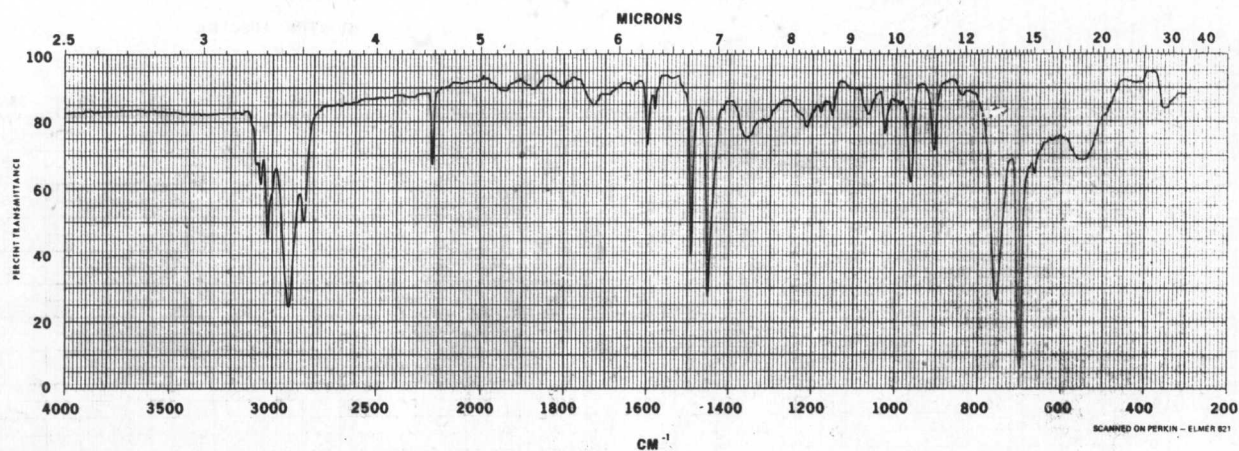
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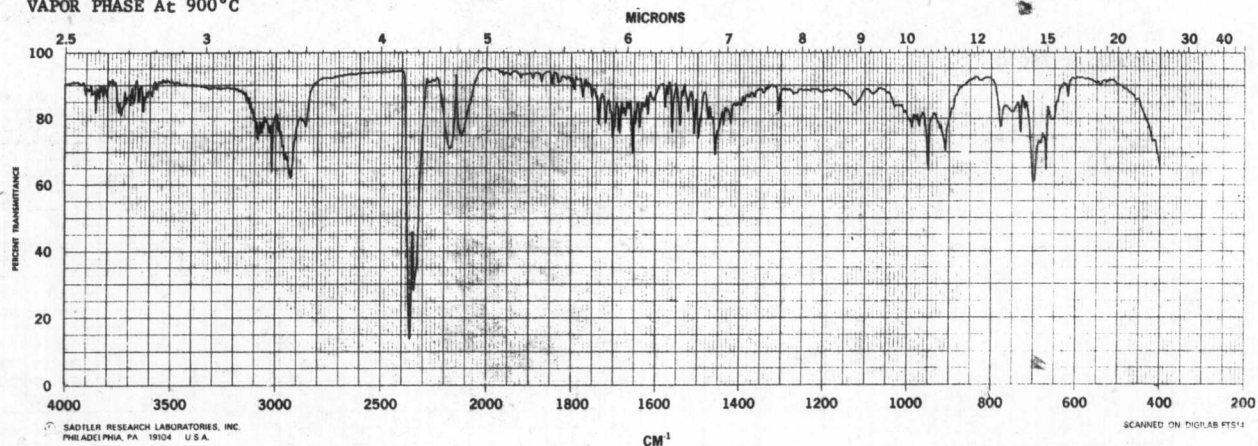
Source: British Celanese Ltd.,
England

CONTROLLED PYROLYZATES

GRATING SPECTRA

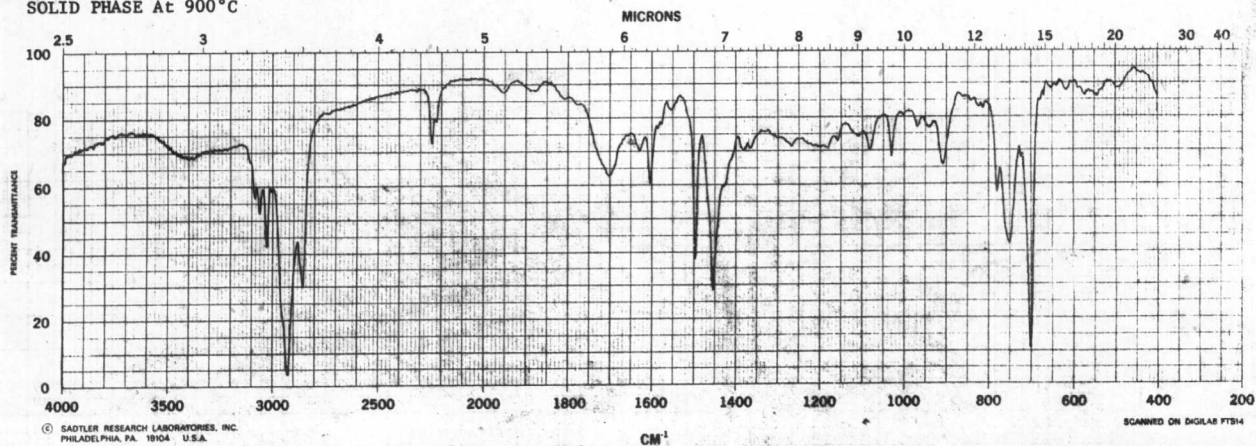


VAPOR PHASE At 900°C



DD 609K

SOLID PHASE At 900°C



DD 610K

ABSELEX - G3



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EXTRUDED ACRYLONITRILE/BUTADIENE/STYRENE

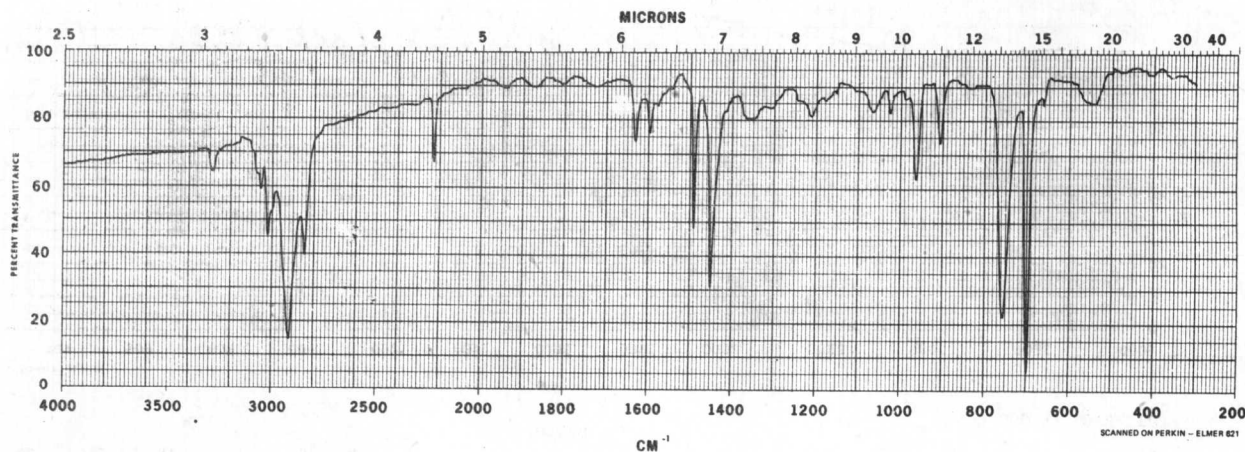
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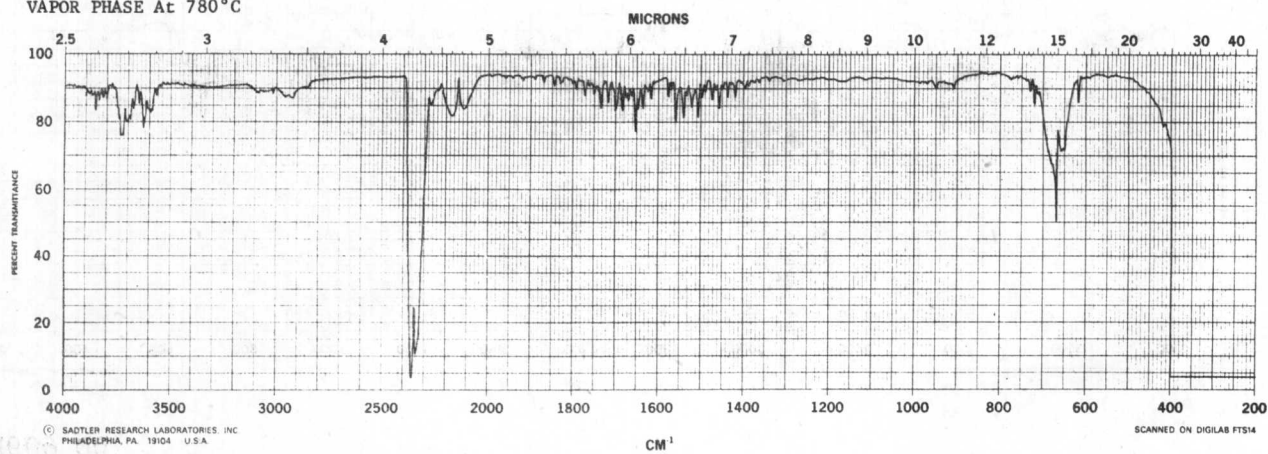
Source: British Celanese Ltd.,
England

CONTROLLED PYROLYZATES

GRATING SPECTRA



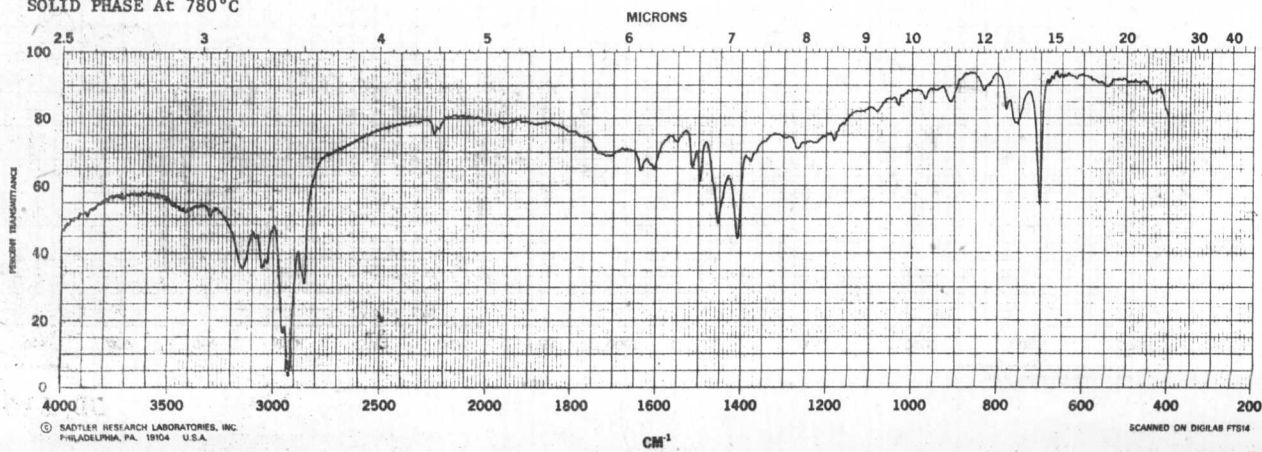
VAPOR PHASE At 780°C



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DD 611K

SOLID PHASE At 780°C



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DD 612K

ACCOBOND 3810

ANIONIC



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CELLULOSIC FILM RESIN

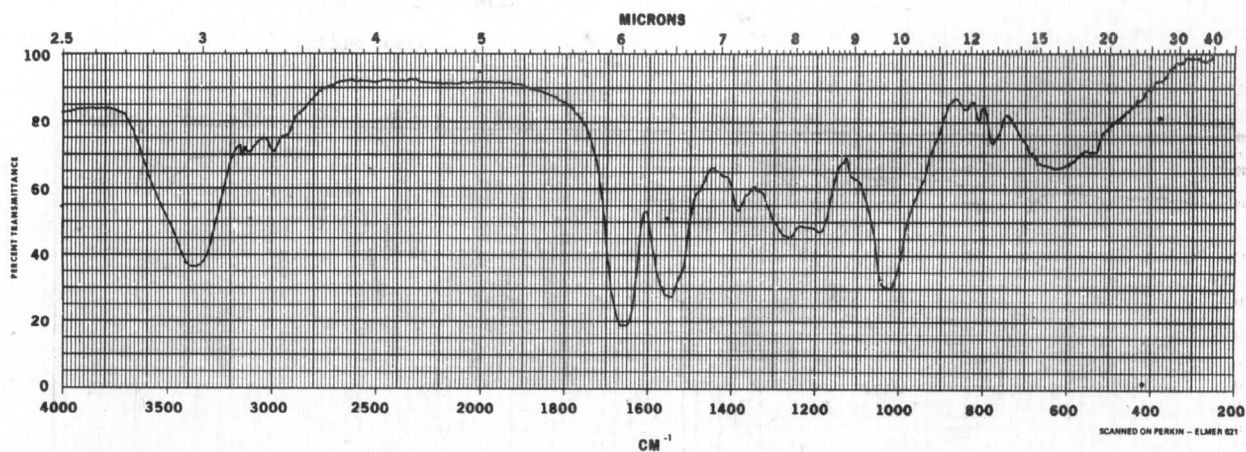
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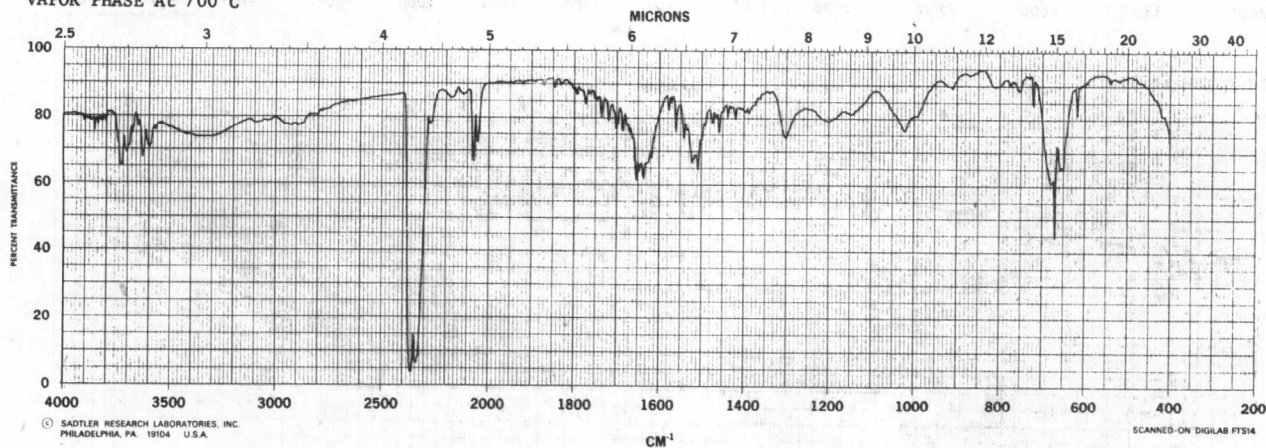
Source: American Cyanamid Company,
Industrial Chemicals Division

CONTROLLED PYROLYZATES

GRATING SPECTRA

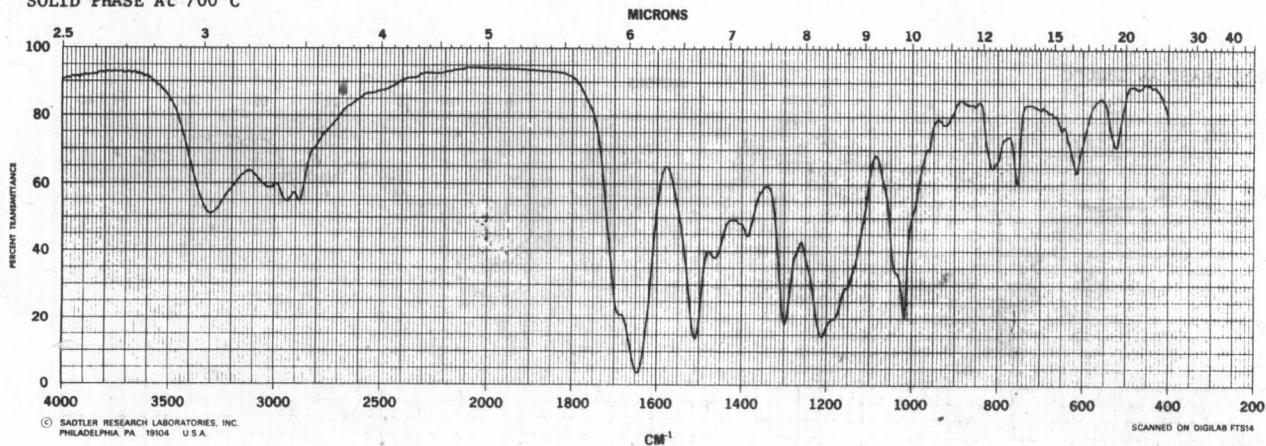


VAPOR PHASE At 700°C



DD 613K

SOLID PHASE At 700°C



DD 614K

ACRYLITE H-12



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ACRYLIC MOLDING COMPOUND

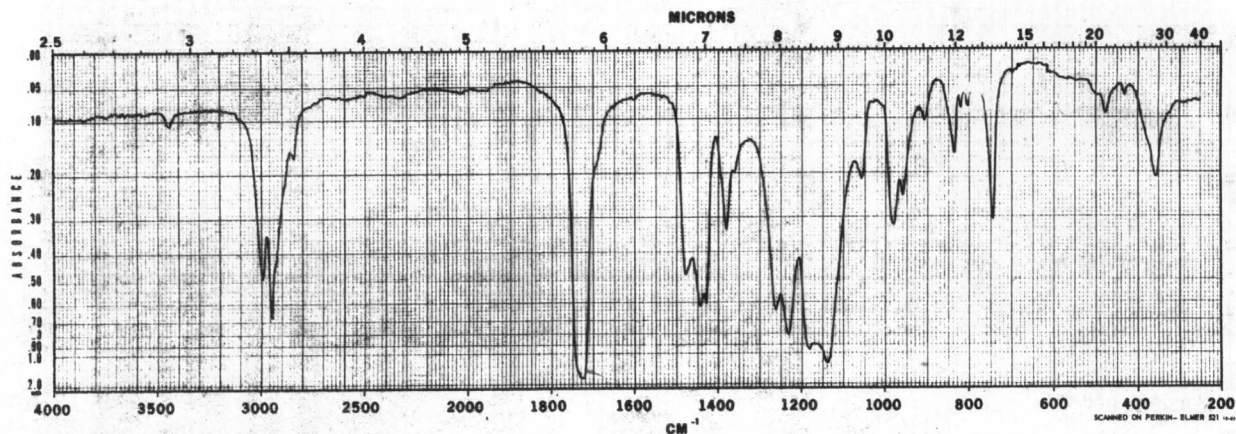
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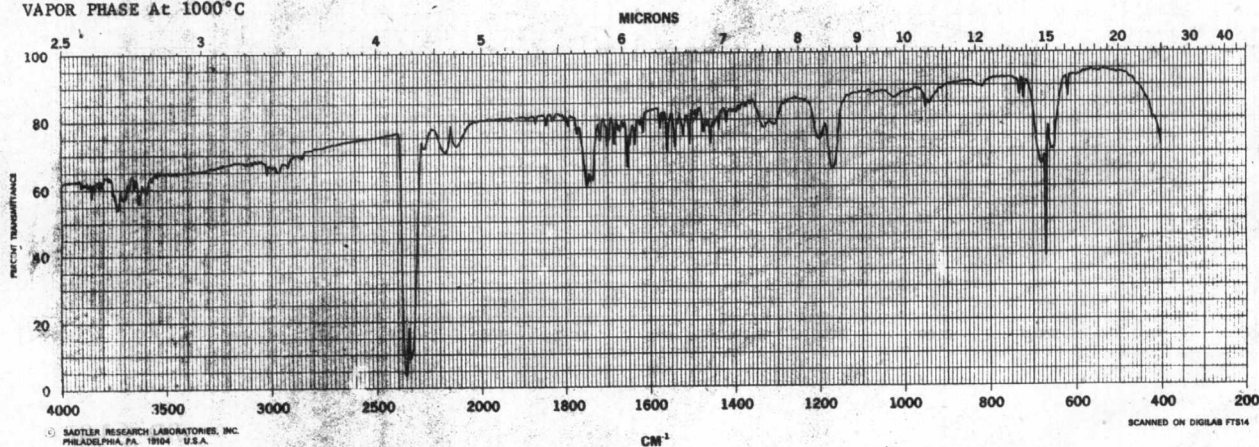
Source: American Cyanamid Company
Chemicals & Plastics Division

CONTROLLED PYROLYZATES

GRATING SPECTRA

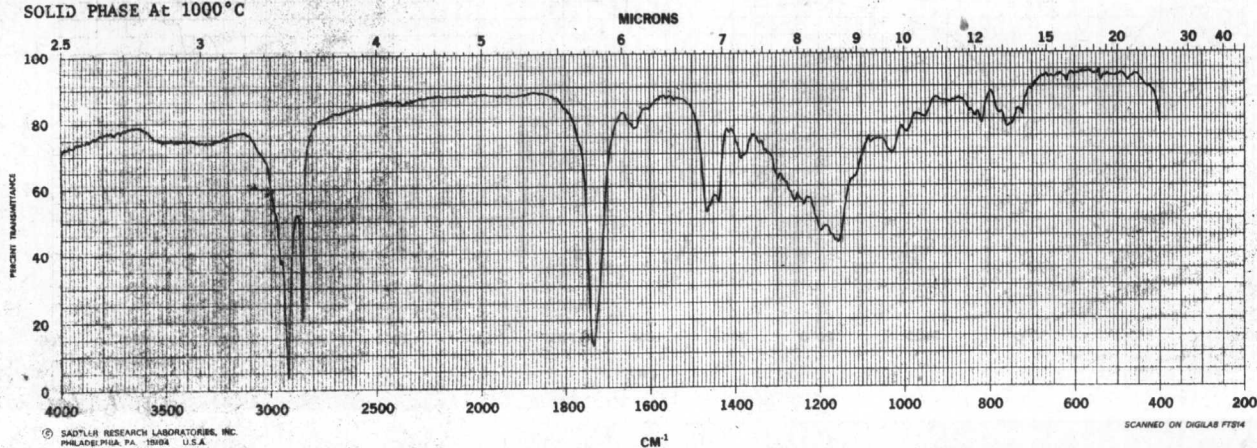


VAPOR PHASE At 1000°C



DD 615K

SOLID PHASE At 1000°C



DD 616K

ACRYLITE H-15



SADTLER RESEARCH LABORATORIES, INC.

ACRYLIC MOLDING COMPOUND

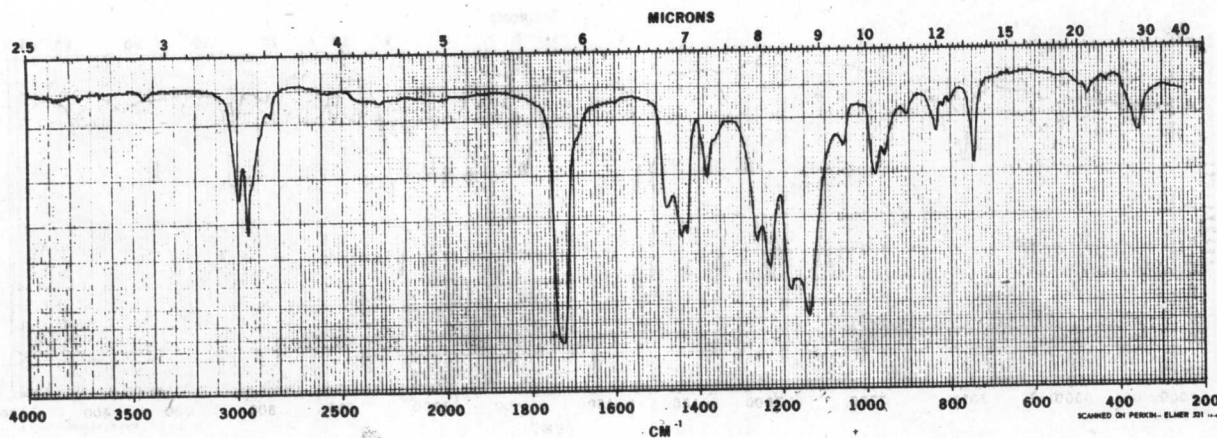
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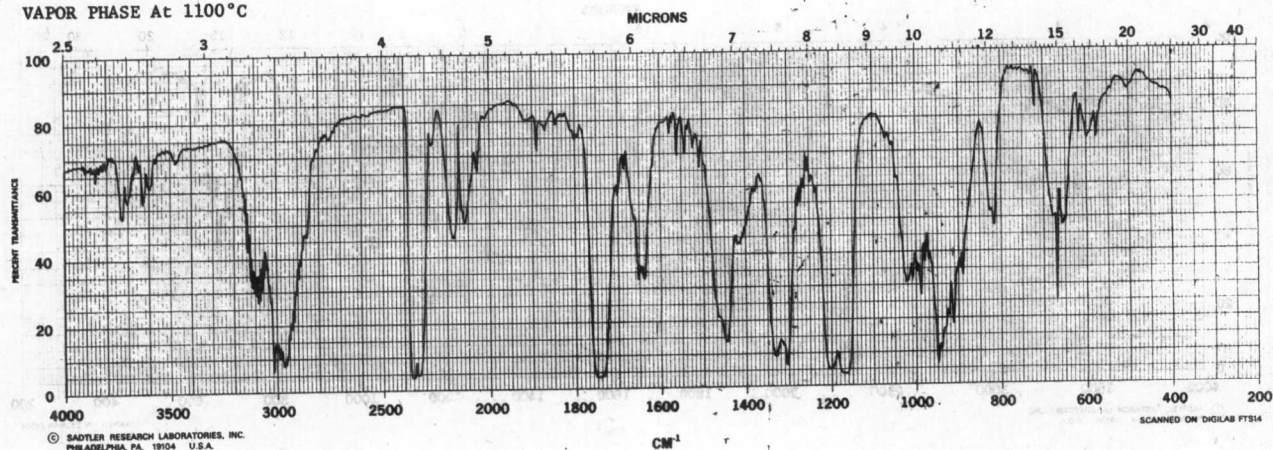
Source: American Cyanamid Company,
Chemicals & Plastics Division

CONTROLLED PYROLYZATES

GRATING SPECTRA



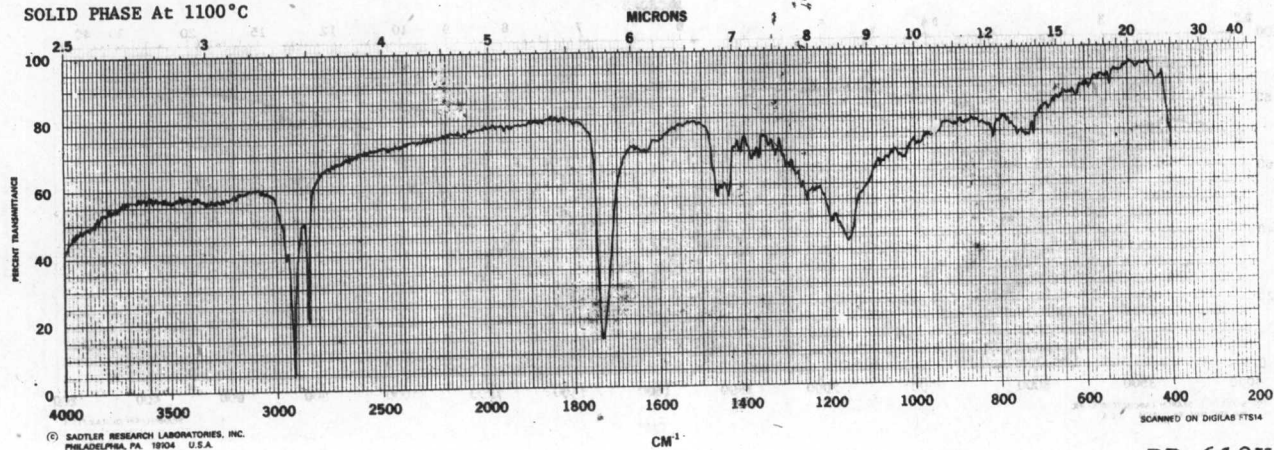
VAPOR PHASE At 1100°C



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DD 617K

SOLID PHASE At 1100°C



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DD 618K

ACRYLITE M-30



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ACRYLIC MOLDING COMPOUND

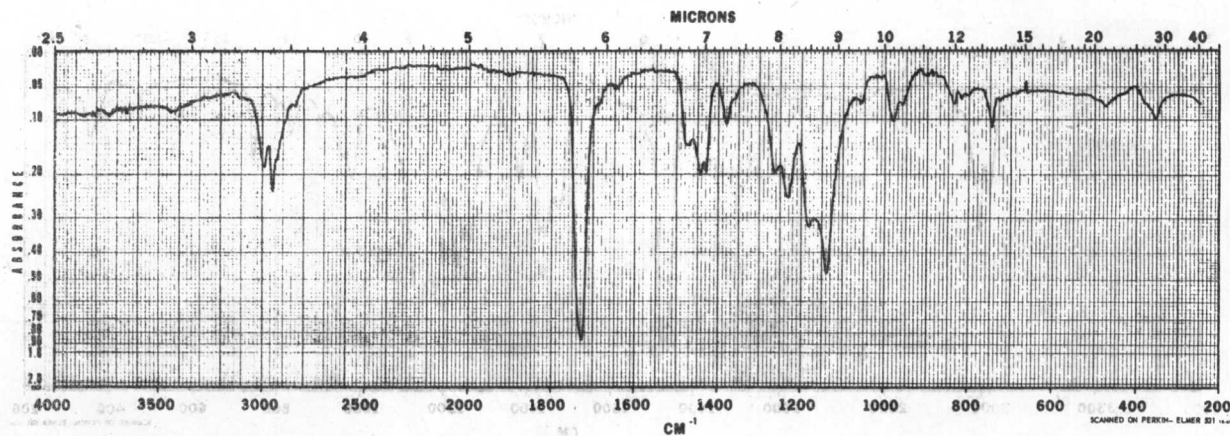
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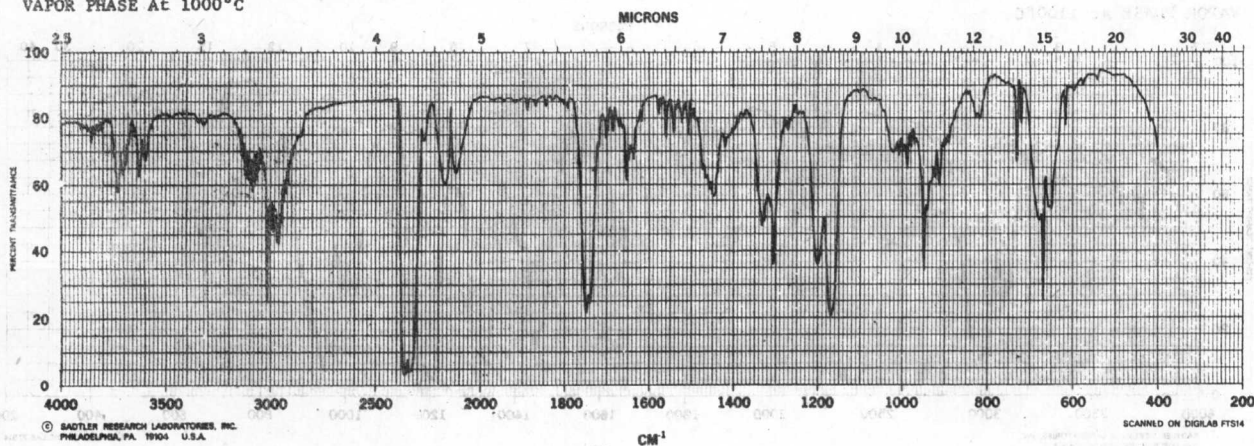
Source: American Cyanamid Company,
Chemicals & Plastics Division

CONTROLLED PYROLYZATES

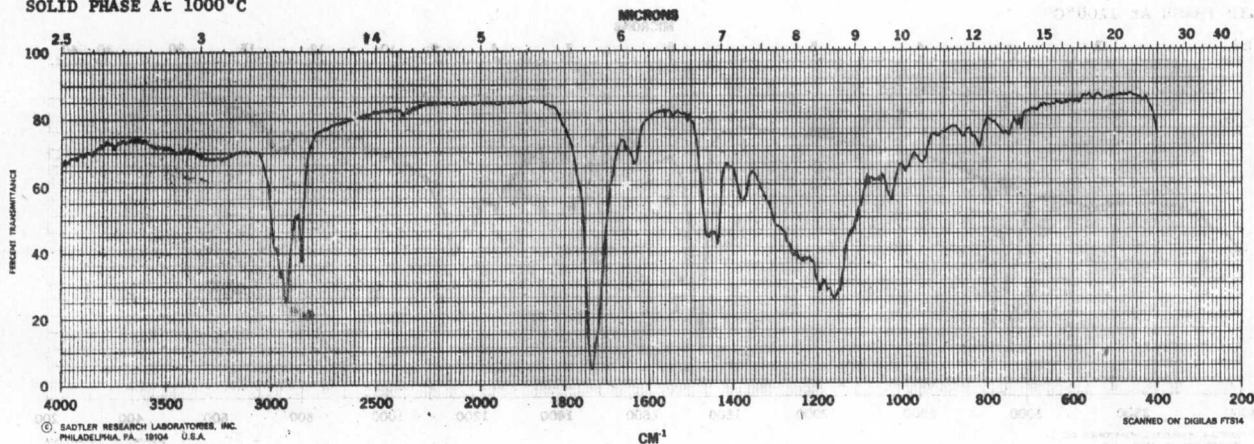
GRATING SPECTRA



VAPOR PHASE At 1000°C



SOLID PHASE At 1000°C



DD 619K

DD 620K

118/6-2

ACRYLOID KM-228

ACRYLIC POLYMER

Sp. Gr. 1.06

Source: Rohm & Haas Company



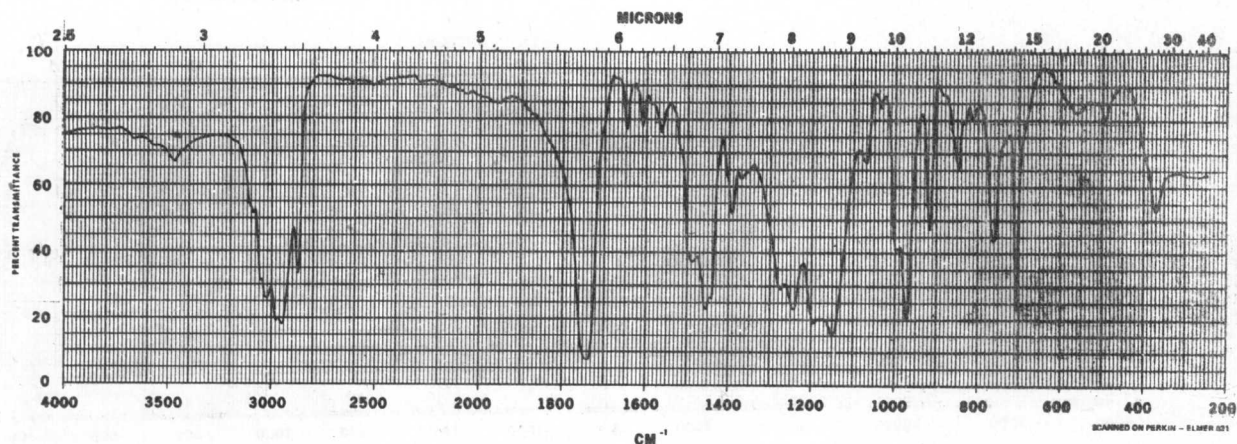
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COMMERCIAL - INFRARED

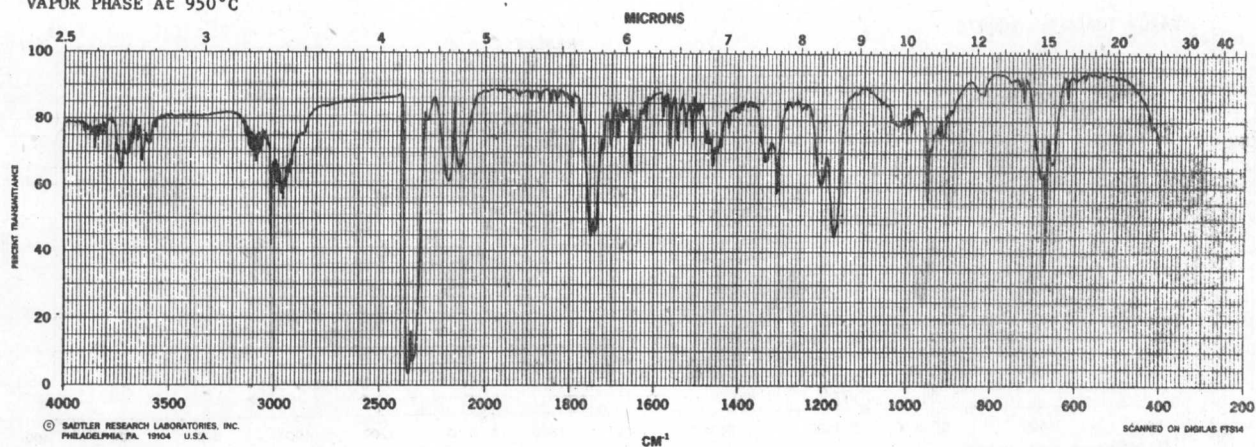
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CONTROLLED PYROLYZATES

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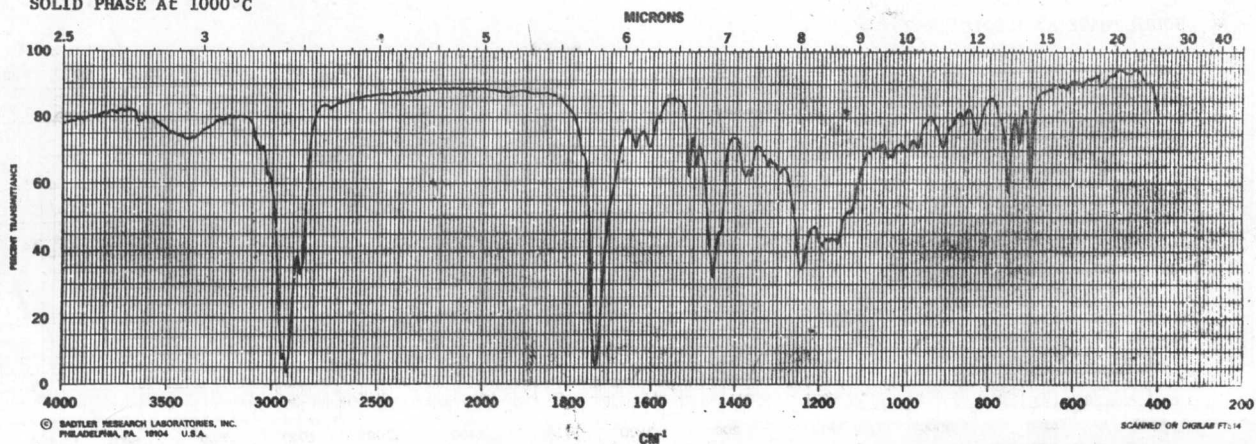


VAPOR PHASE At 950°C



DD 621K

SOLID PHASE At 1000°C



DD 622K

ACRYLOID KM-607N



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ACRYLIC POLYMER
CHLORIDE

ADDITIVE FOR POLYVINYL

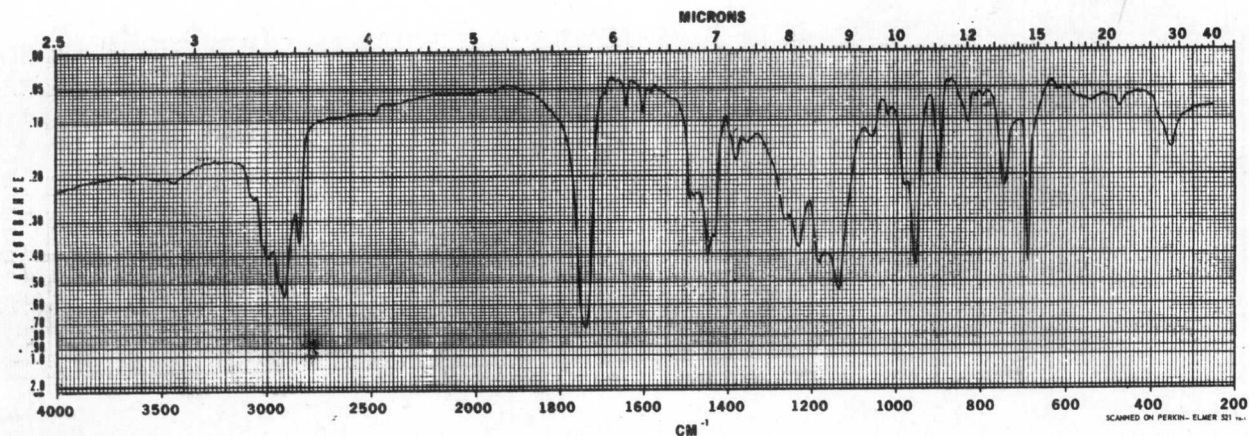
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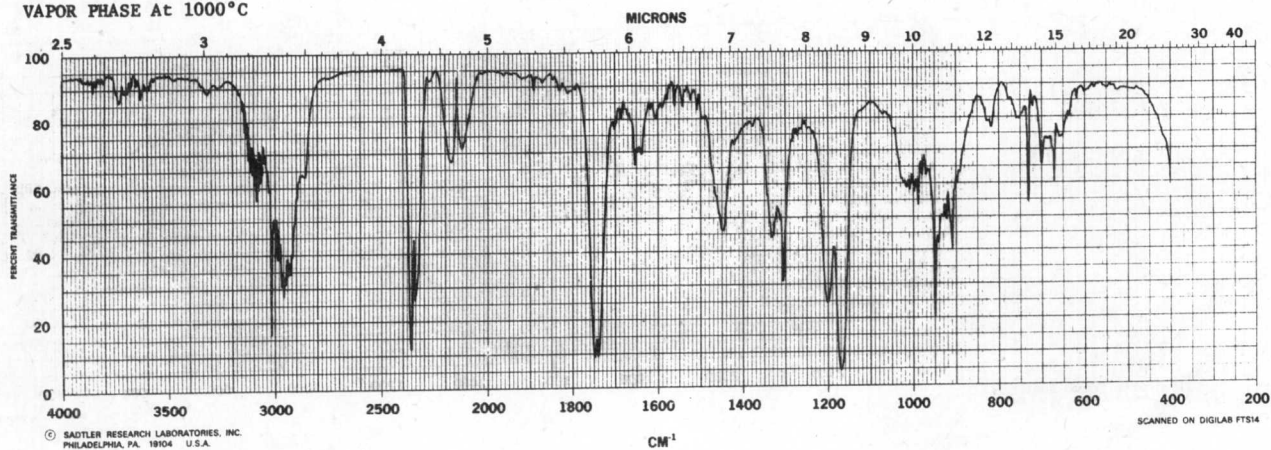
Source: Rohm & Haas Company

CONTROLLED PYROLYZATES

GRATING SPECTRA



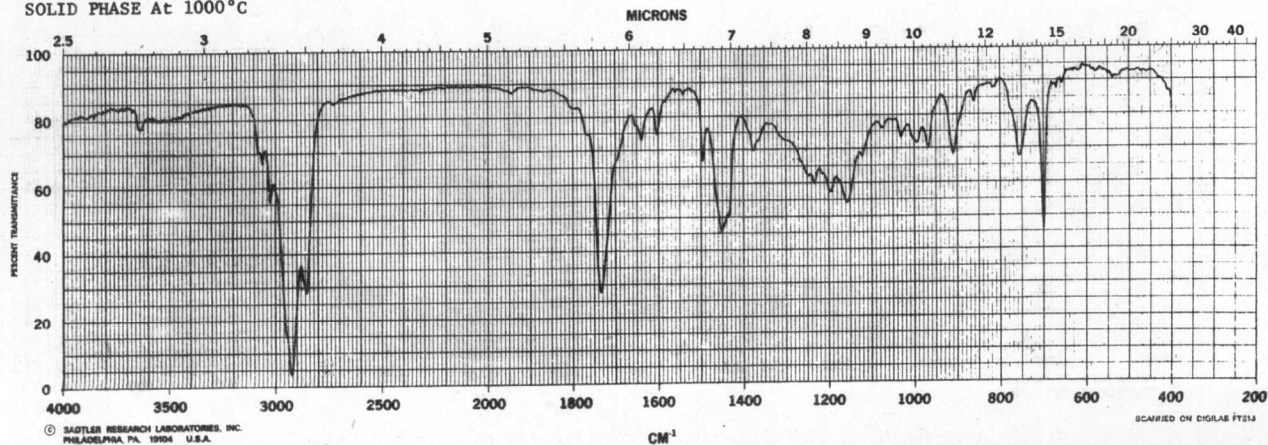
VAPOR PHASE At 1000°C



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DD 623K

SOLID PHASE At 1000°C



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DD 624K

ASTRALIT C TRANSP. 1315



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CRYSTAL CLEAR RIGID PVC

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Density (Buovancy) 1.38 g/cm^3

Refractive Index 1.535

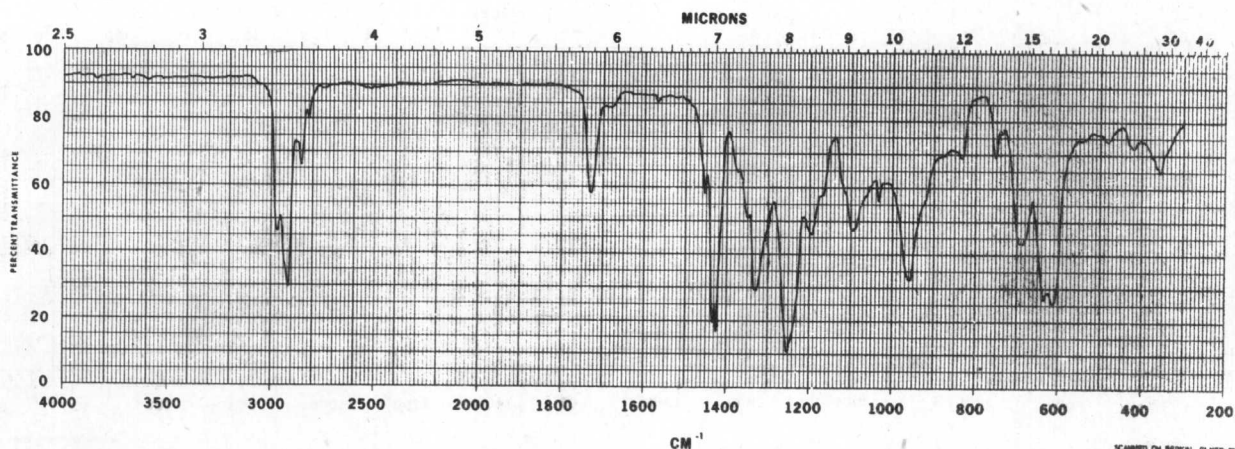
Tensile Strength 570 Kg/cm^2

Specific Resistance 10^{17}

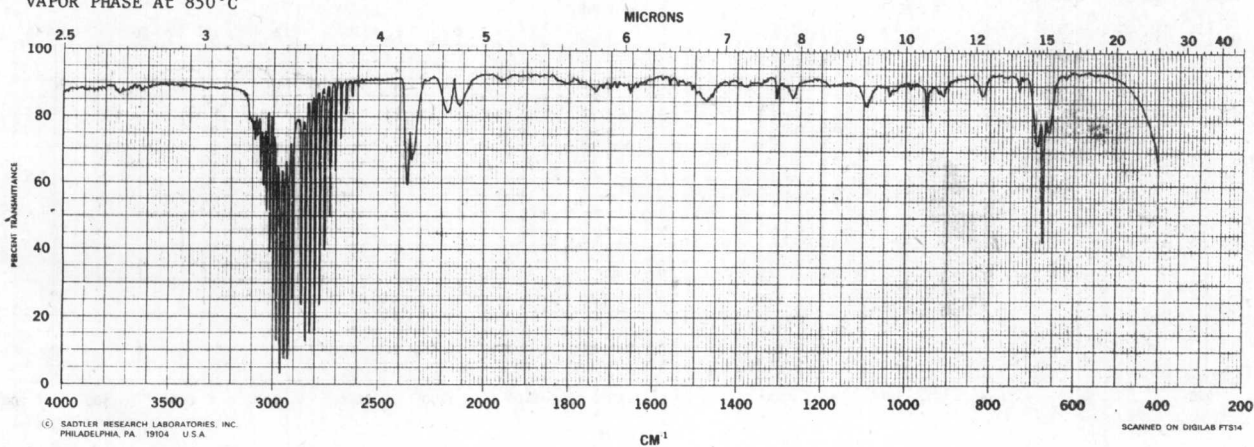
Source: Dynamit Nobel of America, Incorporated

CONTROLLED PYROLYZATES

GRATING SPECTRA

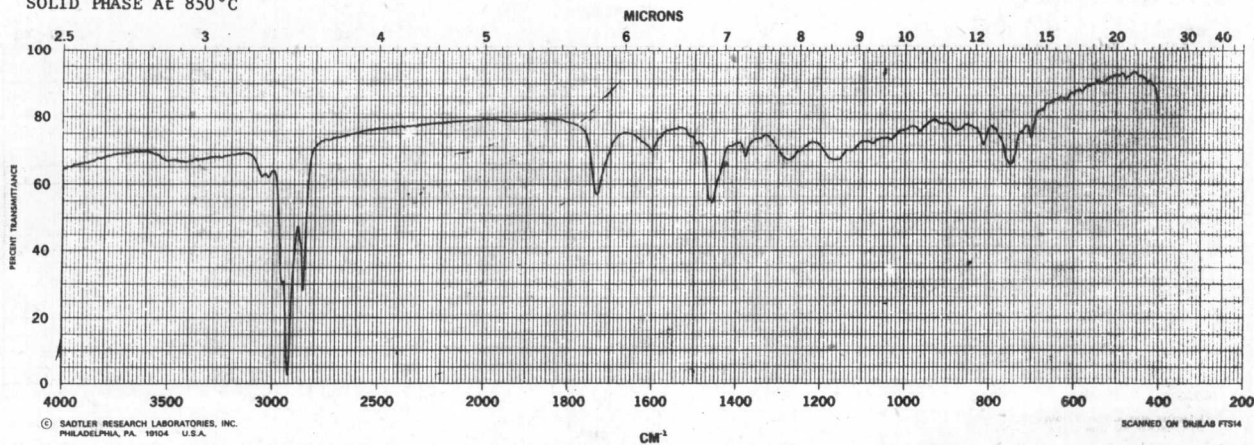


VAPOR PHASE At 850°C



DD 625K

SOLID PHASE At 850°C



DD 626K

ASTRALIT U ORANGE 225



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RIGID POLYVINYL CHLORIDE

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Density (Buoyancy) 1.45 g/cm³

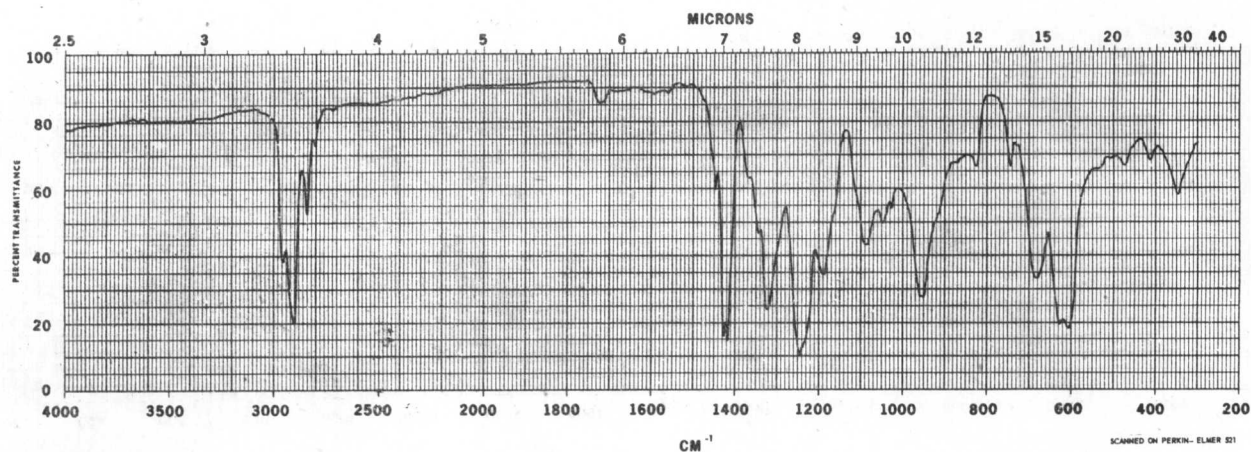
Water Absorption 6.5

Tensile Strength 450 Kp/cm²

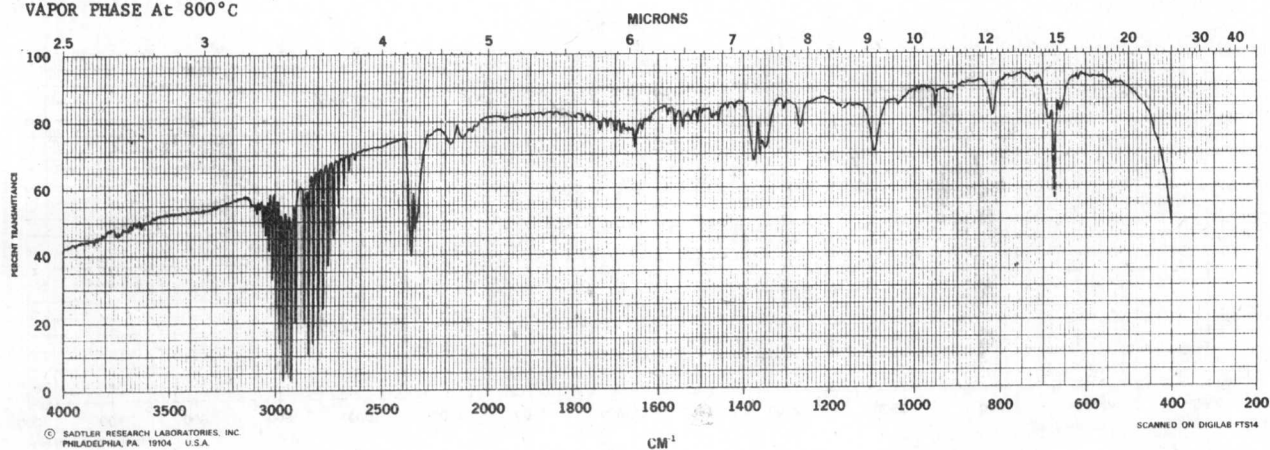
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GRATING SPECTRA

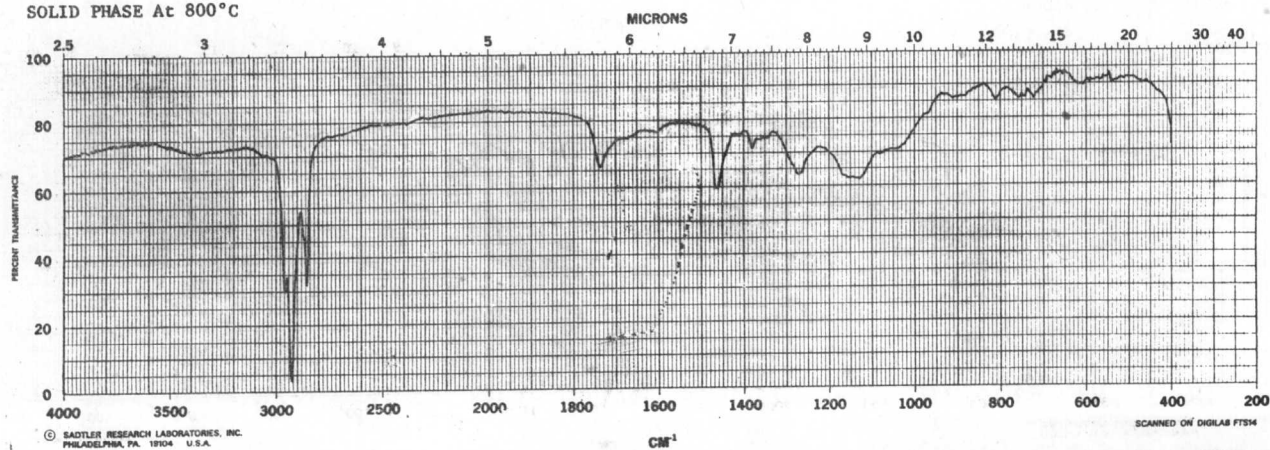


VAPOR PHASE At 800°C



DD 627K

SOLID PHASE At 800°C



DD 628K

AVISTRAP PET

POLYESTER STRAPPING

Source: FMC Corporation,
American Viscose Division



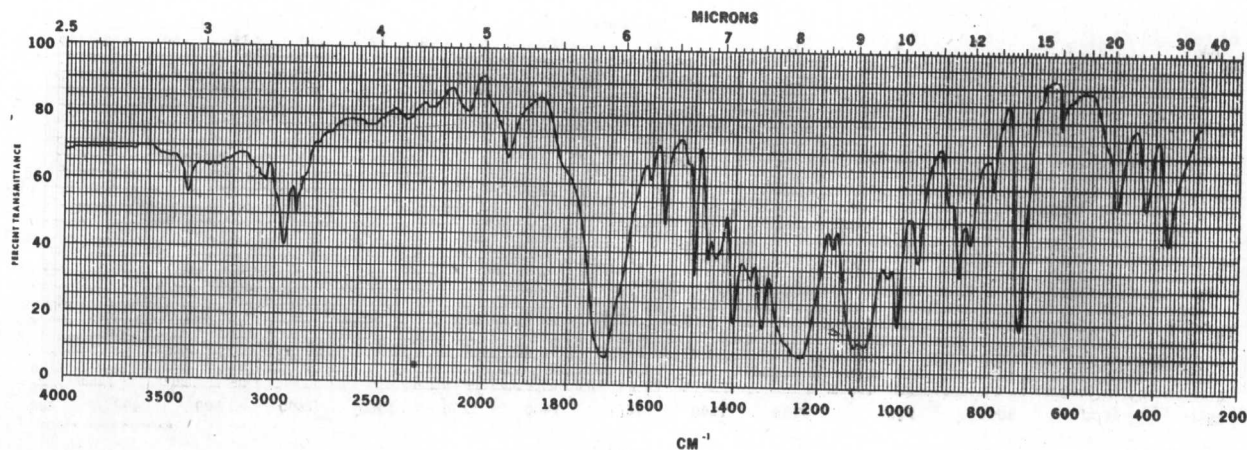
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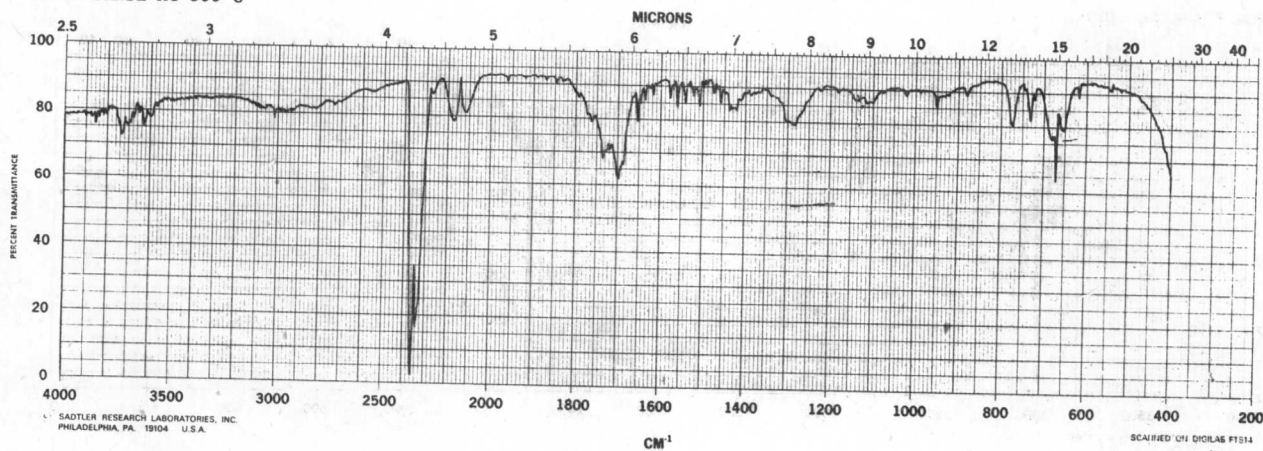
CONTROLLED PYROLYZATES

GRATING SPECTRA



VAPOR PHASE At 800°C

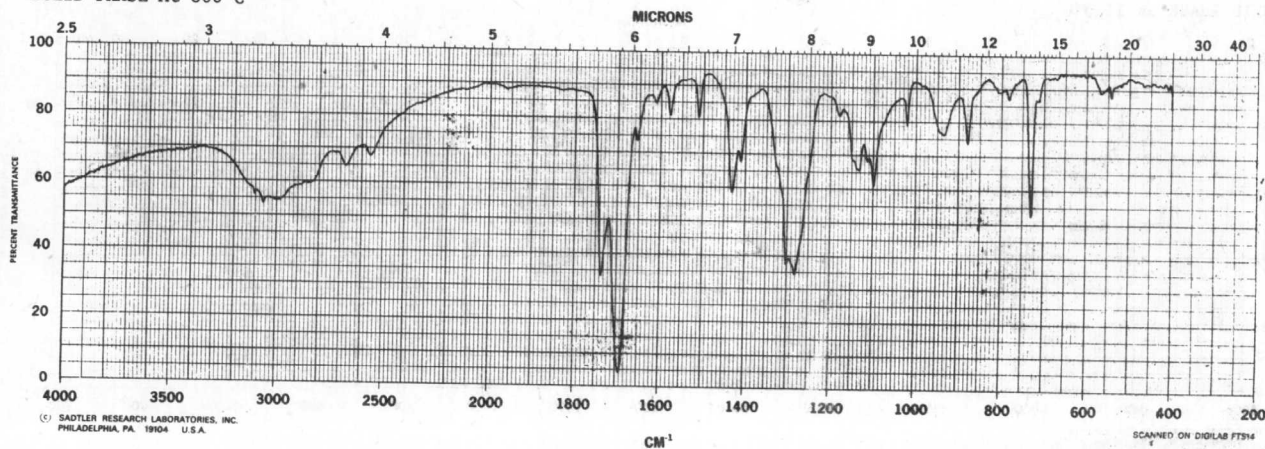
SCANNED ON PERKIN-ELMER 521



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DD 629K

SOLID PHASE At 800°C



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SCANNED ON DIGILAB FTS14

DD 630K