

RAPRA is a bibliographic and directory database dedicated exclusively to rubber, plastics, adhesives, and polymeric composites. The database covers the worldwide scientific, technical and trade literature as well as patent documents published since 1994 by the European Patent Office, the U.S. Patent and Trademark Office, and the World Intellectual Property Organization relevant to the rubber and plastics industries. The directory part of RAPRA consists of company address records and tradename records.

There is a wide scope of subjects in the database, encompassing technical, academic, commercial and marketing aspects of the rubber and plastics industries. Citations contain bibliographic data, in-depth indexing, and an abstract. Indexing is available both in American and British spelling. The database corresponds to the printed Rapra Abstracts, Adhesives Abstracts, and Rapra New Tradenames.

SUBJECT COVERAGE

- Polymer Synthesis
- Chemical Modification
- Processing Technology
- Properties and Testing
- Machinery and Test Equipment
- Applications of Polymers
- Intermediate and Semi-finished Products
- Additives and Compounding Ingredients
- Company and Commercial Information
- Markets and Industry Statistics
- Trade Names and Product Announcements
- Industrial Hazards and Toxicology
- Environmental Effects

SOURCES

- Journals
- Conference contributions
- Books
- Reports
- Standards
- Company publications and other non-conventional literature
- Patents

FILE DATA

- 1972 to present (03/08): more than 954,000 records
- Updated every two weeks with about 1,200 records
- Automatic current-awareness searches (SDIs) are run every two weeks or monthly. (every two weeks is the default)

PRODUCER

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USER AIDS

- Rapra Keyterm Thesaurus
- Rapra Classification Code:
<http://www.polymerlibrary.com/helpsearching.htm>
- Online Helps (HELP DIRECTORY lists all help messages available)
- STNGUIDE

GENERAL SEARCH AND DISPLAY FIELDS

Search Field Name	Search Code	Search Examples	Display Code
Basic Index (contains single words from the title (TI), abstract (AB), controlled term (CT), non-polymer term (NPT), subject heading Rapra (SHR), subject heading adhesives (SHA), corporate name (CO), geographic term (GT), and trade name (TN) fields) 1,2)	None or /BI	S BLOCK COPOLYMER? S MELINAR AND PRIC? AND ICI S WESTERN EUROPE AND PETP S ?ACRYLAMIDE?	TI, AU, CS, SO, AB, CT, NPT, SHR, SHA, CO, GT, TN
Abstract	/AB	S MARINE APPLICATION/AB	AB
Accession Number	/AN	S R:445780/AN S R445780/AN	AN
Author (including editor, inventor)	/AU	S ENDO, K/AU S (CONNAN A(S)EDITOR)/AU	AU, SO
Corporate Address 3)	/CA (/PAA)	S ANAHEIM CA/CA	CA
Classification Code	/CC (/CCEN)	S 43C112/CC S 6R4?/CC AND 43E/CC	CC
Corporate Name (including /CS and /PA) 4)	/CO	S OSAKA UNIV?/CO S BASF UK/CO S ICI/CO AND MELINAR/TN	CO, CS, AU, SO
Corporate Source (incl. affiliation, corporate editor, patent assignee) 4)	/CS	S OSAKA UNIV?/CS S EXXON FRANCE/CS S ACS EDITOR/CS	CS, AU, SO
Controlled Term 1,2,5)	/CT	S BLOCK POLYMERISATION/CT S ?IONIC POLYMERISATION/CT S GEL+ALL/CT	CT
Controlled Word 1)	/CW	S COPOLYMER?/CW AND MOLECULAR STRUCTURE/CW	CT
Document Type (code and text)	/DT (/TC)	S JOURNAL/DT	DT
Entry Date 6)	/ED (/UP)	S J/DT S ED>19990100	not displayed
Field Availability	/FA	S L7 AND AB/FA	not displayed
File Segment	/FS	S L3 AND AD/FS	FS
Geographical Term 2)	/GT	S JAPAN/GT	GT
Issue (Rapra Issue Number)	/IS	S 199809/IS	not displayed
International Standard (Document) Number (contains ISSN and CODEN)	/ISN	S 1022-1344/ISN S ANALAO/ISN	ISN, SO
Journal Title	/JT	S BRIT PLAST RUBB/JT	SO
Language (ISO code and text)	/LA	S GERMAN/LA S DE/LA	LA
Meeting Title 4)	/MT	S COMPOSITE MATERIAL# DESIGN?/MT	SO
Non-Polymer Term 1,2,5)	/NPT	S LITHIUM COMPOUND/NPT S BUTYLLITHIUM+NT/NPT S ?LITHIUM?/NPT	NPT
Non-Polymer Word	/NPW	S DIAMINE/NPW S LITHIUM COMPOUND/NPW	NPT
Number of Report	/NR	S BSI.BS 2782/NR S ISO/NR AND L7	NR

- 1) Terms from the indexing fields CT (CW) and NPT (CW) are available for search and display both in American and British spelling.
- 2) In addition to right truncation, left and simultaneous left and right truncation are available in this field. The minimum length of the stem to be entered is 4 characters.
- 3) Search with implied (L) proximity is available.
- 4) Search with implied (S) proximity is available.
- 5) A thesaurus is available for this field.
- 6) Numeric search field that may be searched with numeric operators or ranges.

GENERAL SEARCH AND DISPLAY FIELDS (continued)

Search Field Name	Search Code	Search Examples	Display Code
Publication Year 6)	/PY	S 1997-1998/PY AND L10	PY
Section Code (Category Codes) 7)	/SC	S KQ/SC S *CK/SC	SC
Subject Headings 4,8)	/SH	S ECONOMIC INFORMATION PETP/SH	SHA, SHR
Subject Headings Adhesives Abstracts 9)	/SHA	S HOT MELT ADHESIVES, BOOKBINDING/SHA	SHR
Subject Headings Rapra 9)	SHR	S HOT MELT ADHESIVES/SHA S ECONOMIC INFORMATION, PETP/SHR S ECONOMIC INFORMATION/SHR(L) WESTERN EUROPE/SHR	SHR
Source (contains journal title and other higher level titles collation, publisher, meeting information, number of report, ISSN and CODEN)	/SO	S CANADIAN PLASTICS/SO AND 1997/PY S COMPOSITE MATERIAL##/SO AND LORIENT/SO	SO, NR
Title	/TI	S BSI BS 2782/SO S PETP PRIC?/TI	TI
Trade Name	/TN (/CN)	S MELINAR/TN	TN

- 4) Search with implied (S) proximity is available.
- 6) Numeric search field that may be searched with numeric operators or ranges.
- 7) Main section (category) code is marked with an asterisk. Codes concerning Rapra Abstracts consist of 2 letters, codes concerning Adhesives Abstracts consist of 5 letters, of which the first two ones are always 'AD'.
- 8) Search with (S) proximity is recommended. Use of (W) proximity is not allowed.
- 9) Searchable are pairs of main heading, subheading and main heading alone.

PATENT SEARCH AND DISPLAY FIELDS

Search Field Name	Search Code	Search Examples	Display Code
Application Country (WIPO code and text)	/AC	S EP/AC S UNITED STATES/AC S JUNE 1997/AD(S)EP/AC	AI
Application Date 1)	/AD	S 19960100-19960400/AD	AI
Application Number 2)	/AP	S EP1993-304407/AP S 1993EP-0304407/AP S WO1993-DE540/AP S 1993WO-DE00540/AP	AI
Application Year 1)	/AY	S 1993-1994/AY	AI
Corporate Address 3)	/CA	S MILLBANK LONDON/CA S D-35260/CA	CA
Designated State (WIPO code and text)	/DS	S GB/DS S UNITED KINGDOM/DS	DS
International Patent Classification (includes ICM and ICS)	IC	S C09B029-033/IC S C09B029/IC S C09B/IC	IC (ICM,ICS)
IPC, Main	/ICM	S C09B029/ICM S C09B/ICM	IC (ICM,ICS)
IPC, Secondary	/ICS	S C08K005-45/ICS S C08K005/ICS	IC (ICM,ICS)
Inventor	/IN	S WIGHT P/IN	

- 1) Numeric search field that may be searched with numeric operators or ranges.
- 2) Either STN format or Derwent format may be used.
- 3) Search with implied (L) proximity is available.

PATENT SEARCH AND DISPLAY FIELDS (continued)

Search Field Name	Search Code	Search Examples	Display Code
Patent Assignee	/PA	S ZENECA/PA	PA
Patent Country (WIPO code and text)	/PC	S DIAFOIL HOECHST/PA	PI
Publication Date	1) /PD	S EP/PC	PI
Patent Kind Code	/PK	S EUROPEAN PATENT OFFICE/PC	PI
Patent Number	2) /PN	S EPA1/PK	PI
Priority Country (ISO code and text)	/PRC	S EPA#/PK and 1994/PY	PI
Priority Date	1) /PRD	S EP590287/PN	PI
Priority Number	2) /PRN	S EP----590287/PN	PI
Priority Year	1) /PRY	S EP0590287/PN	PI
Publication Year	1) /PY	S GB/PRC	PRAI
		S UNITED KINGDOM/PRC	PRAI
		S 24 JULY 1992/PRD	PRAI
		S 19920724/PRD	PRAI
		S GB1992-15777/PRN	PRAI
		S 1992GB-0015777/PRN	PRAI
		S 1998-1999/PRY	PRAI
		S 1994/PY	PI

1) Numeric search field that may be searched with numeric operators or ranges.

2) Either STN format or Derwent format may be used.

Super Search Fields 1)

Search Field Name	Search Code	Fields Searched	Search Examples	Display Codes
Application Number Group	2) /APPS	/AP, /PRN	S JP1993-66782/APPS	AI, PRAI
International Patent Classification	/IPC	IC	S 1993JP-0066782/APPS	IC
Patent Number Group	2) /PATS	/PN	S C09D011/IPC	(ICM, ICS)
Patent Countries (code and text)	/PCS	/PC,/DS	S C08K005-45/IPC	PI
			S EP579121/PATS	PI
			S EP----579121/PATS	PI
			S EP0579121/PATS	PI, DS
			S US/PCS	PI, DS
			S UNITED STATES/PCS	PI, DS

1) Enter a super search code to execute a search in one or more fields that may contain the desired information. Super search fields facilitate crossfile and multiframe searching. EXPAND may not be used with super search fields. Use EXPAND with the individual field codes instead.

2) Either STN format or Derwent format may be used.

DISPLAY AND PRINT FORMATS

Any combination of display fields and formats may be used to display or print answers. Multiple codes must be separated by commas or spaces, e.g. 'D L1 1-5 TI AU'. The fields are displayed or printed in the order requested.

Hit-term highlighting is available for all searchable fields. Highlighting must be ON during SEARCH in order to use the HIT, KWIC, and OCC formats.

More information about display fields for specific types of information is available by typing one of the following 'HELP' commands at an arrow prompt (=>) in the RAPRA database:

HELP DFIELDS	-	lists all valid custom formats
HELP EFIELDS	-	lists all selectable fields
HELP FORMATS	-	lists valid predefined formats
HELP SRTFIELDS	-	lists valid sort fields

DISPLAY AND PRINT FORMATS (continued)

Format	Definition	Examples
AB	Abstract	D TI AB
AI (AP)	Application Information	D AI
AN	Accession Number	D L3 AN
AU	Author (format includes CS)	D AU
CA	Corporate Address	D CO CA
CC (CCEN)	Classification Code	D CC
CO	Corporate Name (format includes CS)	D CO
CS	Corporate Source	D CS
CT	Controlled Term	D CT CC
DS	Designated State	D DS
DT (TC)	Document Type	D DT
FS	File Segment	D AU FS
GT	Geographical Term	D GT
IC (IPC)	International Patent Classification (Main and Secondary)	D IC
ICM	IPC, Main	D ICM
ICS	IPC, Secondary	D ICS
IN	Inventor	D IN
ISN 2)	International Standard (Document) Number	D ISN
JT 2)	Journal Title	D JT
LA	Language	D LA TI
MT 2)	Meeting Title	D TI MT L5
NPT	Non-Polymer Term	D NPT
NR	Number of Report	D NR
PA	Patent Assignee	D PA
PI (PN,PATS) 1)	Patent Information	D PI
PRAI (PRN) 1)	Priority Information	D PRAI
PY	Publication Year	D PY
SC	Section Code	D SC
SHA	Subject Headings Adhesives Abstracts	D SHA SHR
SHR	Subject Headings Rapra	D SHA SHR
SO	Source (format includes NR and PY)	D SO
TI	Title	D TI AU SO
TN (CN)	Trade Name	D TN
ABS 1)	AN, AB	D ABS
ALL 1)	BIB, AB, IND	D ALLEN
DALL	ALL, with delimiter for post-processing	D DALL
IALL 1)	ALL, indented with text labels	D IALL
APPS 1)	Application Number Group	
BIB 1)	AN, FS, TI, AU, CS, NR, SO, PY, DT, LA For patent records since 1994: AN, FS, TI, IN, PA, CA, PI, DS, AI, PRAI, DT, LA (BIB is default)	D L7 BIB
IBIB 1)	BIB, indented with text labels	D IBIB
IND 1)	AN, FS, IC (ICM,ICS), CC, SC, CT, NPT, SHR, SHA, CO, CA, GT, TN	D IND
STD 1)	BIB, IC (ICM,ICS)	D STD
ISTD 1)	STD, indented with text labels	
TRIAL (TRI, SAMPLE, SAM)	TI, CT, NPT, SHR, SHA	D TRI
HIT	Hit-term(s) and field(s)	D HIT
KWIC	Up to 50 words before and after hit-term(s) (KeyWord-In-Context)	D KWIC
OCC	Number of occurrences of hit-term(s) and field(s) in which they occur	D OCC

- 1) Application, priority and patent numbers are available in DERWENT and STN format. The format for DISPLAY, PRINT, SELECT and SORT is controlled by the Messenger SET PATENT command. The STN format is default. 'SET PAT DERWENT' changes (permanently) to the DERWENT format. To change to the STN format again, enter 'SET PAT STN'.
- 2) Custom display only.

THESAURUS FIELDS

All Relationship Codes can be used with both the SEARCH and EXPAND command in the Controlled Term (/CT) field and Non-Polymer Term (/NPT) field.

Code	Content	Examples
ALL	All Associated Terms (BT, SELF, NOTE, USE, UF, NT, RT)	E ABSORPTION SPECTROSCOPY+ALL/CT S TITANIUM DIOXIDE+ALL/NPT
Auto	1) Next n F-Terms and previous n F-Terms	S POLYPENTENAMER/CT
BT	2) Broader Terms (BT, SELF)	E DELAMINATION+HIE/CT
HIE	Hierarchy (BT, SELF, NT)	
KT	Keyword Terms (Multi-word Phrases containing the specified Keyword Term) (SELF, KT)	E EXTRUDER+KT/CT
NOTE	Term with Scope Note (SELF, NOTE)	S CLAY+NOTE/NPT
NT	3) Narrower Terms (SELF, NT)	S EXTRUDER+NT/CT S BENZOQUINONE+NT/NPT
RT	Related Terms (SELF, RT)	E ABRASION RESISTANCE+RT/CT
UF	Preferred Terms (SELF, UF)	E POLYACETAL+UF/CT
USE	Forbidden Terms (SELF, USE)	E ACETAL POLYMER+USE/CT

- 1) Automatic Relationship is SET OFF. In case of SET REL ON the result of EXPAND or SEARCH without any relationship code is the same as described for AUTO.
- 2) Broader Term (BT) corresponds to the 'to' relationship in the printed Rapra Keyterm Thesaurus.
- 3) Narrower Term (NT) corresponds to the 'from' relationship in the printed Rapra Keyterm Thesaurus.

SELECT, ANALYZE, AND SORT CODES

The SELECT command is used to create E-numbered or L-numbered lists of terms taken from the specified field(s) in an answer set.

The ANALYZE command is used to create an L-number containing terms taken from the specified field in an answer set.

The SORT command is used to rearrange the search results in either alphanumeric (A) or numeric (N) order of the specified field(s).

Definition	Code	Analyze/ Select 1)	Sort
Abstract	AB	x	-
Application Country	AC	x	A
Application Date	AD	x	N
Application Information	AI	x	A
Accession Number	AN	x	-
Application Number	AP	x	A
Application Number Group	APPS	x	-
Author	AU	x	A
Application Year	AY	x	N
Corporate Address	CA (PAA)	x	A 2)
Classification Code	CC (CCEN)	x	A
Trade Names	CHEM	x 3)	x
Citation	CIT	x 4)	-
Corporate Name	CO	x	A
CODEN	CODEN	-	A
Corporate Source	CS	x	A

- 1) HIT may be used to restrict terms extracted to terms that match the search expression used to create the answer set, e.g., SEL HIT TI.
- 2) Sorts the postcodes in alphanumeric order.
- 3) Appends /BI to the terms created by SELECT.
- 4) SELECT CIT allows you to extract the reference data from the source documents in this file and have them automatically converted to a citation format for searching in the SCISEARCH file. SEL CIT selects first author, publication year, volume, first page, and a truncation symbol with /RE appended.

SELECT, ANALYZE, AND SORT CODES (continued)

Definition	Code	Analyze/ Select 1)	Sort
Controlled Term	CT	x	-
Controlled Word	CW	x	-
Designated State	DS	x	-
Document Type	DT (TC)	x	A
File Segment	FS	x	A
Geographical Term	GT	x	-
International Patent Classification (Main and Secondary)	IC (IPC)	x	-
IPC, Main	ICM	x	A
IPC, Secondary	ICS	x	-
Inventor	IN	x	A
International Standard (Document) Number	ISN	x 5)	A
International Standard Serial Number	ISSN	-	A
Journal Title	JT	x	A
Language	LA	x	A
Meeting Title	MT	x	A
Non-Polymer Term	NPT	x	-
Non-Polymer Word	NPW	x	-
Number of Report	NR	x	A
Patent Assignee	PA	x	A
Patent Assignee Address	PAA (CA)	x	A 2)
Patent Number Group	PATS	x	A
Patent Country	PC	x	A
Patent Countries	PCS	x	-
Publication Date	PD	x	N
Patent Kind Code	PK	x	A
Patent Number	PN (PI)	x	A
Priority Country	PRC	x	A
Priority Date	PRD	x	N
Priority Number	PRN (PRAI)	x	A
Priority Year	PRY	x	N
Publication Year	PY	x	N
Subject Headings	SC	x	-
Subject Headings Adhesives Abstracts	SHA	x	-
Subject Headings Rapra	SHR	x	-
Source	SO	x 6)	-
Title	TI	x (default)	A
Trade Name	TN (CN)	x	A

- 1) HIT may be used to restrict terms extracted to terms that match the search expression used to create the answer set, e.g., SEL HIT TI.
- 2) Sorts the postcodes in alphanumeric order.
- 5) Selects or analyzes CODEN and ISSN with /ISN appended to the terms created by SELECT.
- 6) Selects or analyzes CODEN and ISSN with /SO appended to the terms created by SELECT.

SAMPLE RECORDS

DISPLAY ALL OF JOURNAL

```

AN R:1010911 RAPRA FS Rapra Abstracts
TI CONTROLLED RAFT POLYMERIZATION OF N-VINYLPHTHALIMIDE AND ITS
HYDRAZINOLYSIS TO POLY(VINYL AMINE).
AU Maki Y; Mori H; Endo T (Yamagata,University; Kinki,University)
SO Macromolecular Chemistry and Physics 208, No.24, 18th Dec.2007,
p.2589-2599
ISSN: 1022-1352
CODEN: MCHPES
PY 2007
DT Journal
LA English
  
```

AB The syntheses of poly(N-vinylphthalimide)s with predetermined molec.wts. and low polydispersity by reversible addition-fragmentation chain transfer/MADIX (macromolecular design via the interchange of xanthates) and polyvinyl amine by subsequent hydrazinolysis are described. The effects of parameters, such as solvent, temperature and chain transfer agent- to-initiator molar ratio, are examined with the aim of determining conditions for optimum polymerisation control and the kinetics of polymerisation, chain extension and deprotection of the phthalimide group in the poly(N-vinylphthalimide)s are discussed. 56 refs.

CC 42W; 43C4; 72; 7221

SC *KO; KR; KB

CT CHAIN EXTENSION; CHAIN TRANSFER AGENT; CHROMATOGRAPHY; DATA; DEPROTECTION; DESIGN; EXCLUSION CHROMATOGRAPHY; GRAPH; HYDRAZINOLYSIS; INITIATOR; INSTITUTION; KINETICS; MOLAR RATIO; MOLE RATIO; MOLEC.WT.; MOLECULAR MASS; MOLECULAR WEIGHT; OPTIMISATION; OPTIMIZATION; PLASTIC; POLYDISPERSITY; POLYMERISATION INITIATOR; POLYMERISATION KINETICS; POLYMERISATION TEMPERATURE; POLYMERIZATION INITIATOR; POLYMERIZATION KINETICS; POLYMERIZATION TEMPERATURE; POLYVINYL AMINE; POLYVINYL PHTHALIMIDE; REVERSIBLE ADDITION-FRAGMENTATION CHAIN TRANSFER; SIZE EXCLUSION CHROMATOGRAPHY; SOLVENT; SYNTHESIS; TABLES; TECHNICAL

NPT XANTHATE

GT JAPAN

DISPLAY IND

AN R:652368 RAPRA FS Rapra Abstracts

CC 176; 6T1

SC *CO; QR

CT AUTOMATION; CAR INDUSTRY; CAR TIRE; CAR TYRE; COMMERCIAL VEHICLE; COMPANIES; COMPANY; CONSOLIDATION; CONSUMPTION; DATA; DEMAND; ECONOMIC INFORMATION; ELASTOMER; EXPORT; EXPORTS; FINANCE; FORECAST; GRAPH; GROSS DOMESTIC PRODUCT; GROWTH RATE; HEAVY-VEHICLE TYRE; IMPORT; IMPORTS; INVESTMENT; MARKET SHARE; MARKETING; MODULAR; ORIGINAL EQUIPMENT; PRODUCTION; REPLACEMENT TIRE; REPLACEMENT TYRE; RETAIL MARKET; RUBBER; STANDARDISATION; STANDARDIZATION; STATISTICS; TABLES; TIRE; TIRE BUILDING; TRADE BALANCE; TRUCK TIRE; TRUCK TYRE; TYRE; TYRE BUILDING; VEHICLE

SHR ECONOMIC INFORMATION, tyres, Western Europe; TYRES, economic information; WESTERN EUROPE, economic information, tyres

GT WESTERN EUROPE-GENERAL

DISPLAY BIB OF STANDARD

AN R:963083 RAPRA FS Rapra Abstracts

TI ISO TR 7620. RUBBER MATERIALS - CHEMICAL RESISTANCE.

CS International Standards Organisation

NR ISO TR 7620

SO Geneva, 2005, pp.35. NALOAN

PY 2005

DT Standard

LA English

DISPLAY IALL OF ARTICLE

ACCESSION NUMBER: R:1012095 RAPRA

FILE SEGMENT: Rapra Abstracts

TITLE: RHEOLOGY OF COMPOSITE SYSTEMS ON BASE OF POLYPROPYLENE.

AUTHOR: Vnencakova J; Brejka O; Michlik P; Vargova I

CORPORATE SOURCE: Slovakia,Research Inst.for Man-Made Fibres

SOURCE: ADVANCES IN PLASTICS TECHNOLOGY APT '07. Proceedings of the 7th International Conference held Katowice, Poland, 13th-15th Nov.2007

Editor(s): Pajak A, Metalchem Plastics Processing Institute

Gliwice, Metalchem Plastics Processing Institute, 2007. Poster 10, pp.4, 29cm, ISBN 978-83-917693-7-9. 012

PUBLICATION YEAR: 2007
 DOCUMENT TYPE: Conference Article
 LANGUAGE: English
 ABSTRACT: The melt rheological properties of composites composed of PP mixed with various amounts of PE, EVA and PP concentrate of nano-titanium dioxide additives were studied. It was possible to determine pressure relations during the spinning process and the amount of material transported by the screw under given conditions from the duration of flow curve. The Newtonian and non-Newtonian behaviour of the composite systems and the pseudoplasticity coefficient were determined from the flow curve. The suitability of the composites for fibre production was assessed. 3 refs.

CLASSIFICATION CODE: 42C12; 6125; 51Q; 9.10.2; 824
 SECTION CODE: *KE; OD; MB; UK; SC
 CONTROLLED TERM: ADDITIVE; ALKENE POLYMER; BLEND; COMPOSITE; CONCENTRATE; CONCENTRATION; DATA; ETHYLENE POLYMER; ETHYLENE-VINYL ACETATE COPOLYMER; EVA; EXTRUDING; EXTRUSION; FIBER; FIBRE; FILAMENT; FILLER; GRAPH; INSTITUTION; MECHANICAL PROPERTIES; MELT FLOW; NANOFILLER; NANOPARTICLE; NEWTONIAN; NON-NEWTONIAN; OLEFIN POLYMER; PE; PLASTIC; POLYALKENE; POLYETHYLENE; POLYOLEFIN; POLYPROPENE; POLYPROPYLENE; PP; PRESSURE; PROCESS; PROCESSING; PROPERTIES; PSEUDOPLASTICITY; RHEOLOGICAL PROPERTIES; RHEOLOGY; SCREW; SHEAR RATE; SPINNING; TABLES; TECHNICAL; THERMOPLASTIC

NON-POLYMER TERM: TITANIA; TITANIUM DIOXIDE
 GEOGRAPHICAL TERM: SLOVAK REPUBLIC; SLOVAKIA

DISPLAY ALL OF PATENT

AN R:958404 RAPRA FS Rapra Abstracts
 TI RADIATION CURABLE LAMINATING ADHESIVES BASED ON CYCLOALIPHATIC CARBOXYLIC ACID FUNCTIONAL MONOMERS.
 IN Lapin S C
 PA Northwest Coatings LLC
 PI US 6989407 B2 20060124
 AI US 2005-29412 20050106
 DT Patent
 LA English
 AB Disclosed are radiation-cured, laminated materials, radiation-curable adhesive compositions suitable for use in forming the laminated materials and methods of making laminated materials. The radiation-curable composition includes a cycloaliphatic carboxylic acid functional monomer.
 CC 6A1; 895
 SC *ADANA; ADATM
 CT ADHESIVE; COMPANIES; COMPANY; COMPOSITION; CURING; CYCLOALIPHATIC; ELASTOMER; FUNCTIONAL MONOMER; LAMINATE; PLASTIC; RADIATION CURING; RUBBER; TECHNICAL
 NPT CARBOXYLIC ACID
 SHA CURING, radiation
 GT USA

DISPLAY ALL OF TRADENAME RECORD

AN R:732825 RAPRA FS Tradenames
 TI RUBBER TECHNOLOGY AND ACOUSTIC SYSTEMS (Trade Name Record).
 SO Hamburg, 1998, pp.43. 12 ins. 9/6/99.
 PY 1998
 DT Company Publication
 LA English
 AB Range of rubber hoses.
 CC 6H1
 CT ELASTOMER; HOSE; RUBBER
 CO PHOENIX AG
 TN TRIX