

RAPRA (Rubber, Plastics, Polymer Composites)

- Subject Coverage**
- Additives and compounding ingredients
 - Applications of polymers
 - Chemical modification
 - Company and commercial information
 - Environmental effects
 - Industrial hazards and toxicology
 - Intermediate and semi-finished products
 - Machinery and test equipment
 - Markets and industry statistics
 - Polymer synthesis
 - Processing technology
 - Properties and testing
 - Trade names and product announcements
-

File Type Bibliographic

Features

Thesaurus	Controlled Term (/CT), Non-Polymer Term (/NPT)		
Alerts (SDIs)	Weekly (default)		
CAS Registry Number [®] Identifiers	<input type="checkbox"/>	Page Images	<input type="checkbox"/>
		STN [®] AnaVist [™]	<input type="checkbox"/>
Keep & Share	<input checked="" type="checkbox"/>	SLART	<input checked="" type="checkbox"/>
		STN Easy[®]	<input checked="" type="checkbox"/>
Learning Database	<input type="checkbox"/>	Structures	<input type="checkbox"/>

- Record Content**
- Records contain bibliographic data, in-depth indexing, and an abstract.
 - Indexing is available in both American and British spelling.
 - The directory part consists of company address records and tradename records.
-

File Size • More than 1.19 million records (04/2017)

Coverage 1972-present

Updates Weekly

Language English

Database Producer Smithers Information Ltd.
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 Shropshire SY4 4NR
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 Copyright Holder

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Email: helpdesk@fiz-karlsruhe.de

- Sources**
- Journals
 - Conference Contributions
 - Books
 - Reports
 - Standards
 - Company publications and other non-conventional literature
 - Patents
-

- User Aids**
- Online Helps (HELP DIRECTORY lists all help messages available)
 - STNGUIDE
-

- Clusters**
- ALLBIB
 - AUTHORS
 - BUSINESS
 - CHEMENG
 - CHEMISTRY
 - COMPANIES
 - CORPSOURCE
 - ENGINEERING
 - HPATENTS
 - MATERIALS
 - PATENTS
 - POLYMERS
- [STN Database Clusters](#) information (PDF)
-

Pricing Enter HELP COST at an arrow prompt.

Search and Display Field Codes

Fields that allow left truncation are indicated by an asterisk (*).

General Search Fields

Search Field Name	Search Code	Search Examples	Display Codes
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)	None or /BI	S BLOCK COPOLYMER? S MELINAR AND PRIC? AND ICI S WESTERN EUROPE AND PETP S ?ACRYLAMIDE?	TI, 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
Classification Code	/CC (or /CCEN)	S 43C112/CC S 6R4?/CC AND 43E/CC	CC
Controlled Term (1,4)	/CT	S BLOCK POLYMERISATION/CT S GEL+ALL/CT	CT
Controlled Word (1)	/CW	S COPOLYMER?/CW AND MOLECULAR STRUCTURE/CW	CT
Corporate Address (2)	/CA (or /PAA)	S ANAHEIM CA/CA	CA
Corporate Name (including /CS and /PA) (3)	/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) (3)	/CS	S OSAKA UNIV?/CS S EXXON FRANCE/CS S ACS EDITOR/CS	CS, AU, SO
Digital Object Identifier	/FTDOI	S 10.1002/33008/FTDOI	FTDOI, SO
Document Type (code and text)	/DT (or /TC)	S JOURNAL/DT S J/DT	DT
Entry Date (5)	/ED (or /UP)	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	/GT	S JAPAN/GT	GT
International Standard (Document) Number (contains ISSN and CODEN)	/ISN	S 1022-1344/ISN S ANALAO/ISN	ISN, SO
Issue (Rapra Issue Number) (9)	/IS	S 199809/IS	not displayed
Journal Title	/JT	S BRITISH POLYMER JOURNAL/JT	JT, SO
Language (ISO code and text)	/LA	S GERMAN/LA S DE/LA	LA
Meeting Title (3)	/MT	S COMPOSITE MATERIAL# DESIGN?/MT	SO
Non-Polymer Term (1,4)	/NPT	S LITHIUM COMPOUND/NPT S BUTYLLITHIUM+NT/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

General Search Fields (cont'd)

Search Field Name	Search Code	Search Examples	Display Codes
Publication Year (5)	/PY	S 1997-1998/PY AND L10	PY
Section Code (Category Codes) (6)	/SC	S KQ/SC S *CK/SC	SC
Source (contains journal title and other higher level titles collation, publisher, meeting information, number of report, ISSN, CODEN, URL, and FTDOI)	/SO	S CANADIAN PLASTICS/SO AND 1997/PY S COMPOSITE MATERIAL##/SO AND LORIENT/SO S BSI BS 2782/SO	SO, NR
Subject Headings (3,7)	/SH	S ECONOMIC INFORMATION PETP/SH	SHA, SHR
Subject Headings Adhesives Abstracts (8)	/SHA	S HOT MELT ADHESIVES, BOOKBINDING/SHA S HOT MELT ADHESIVES/SHA	SHR
Subject Headings Rapra (8)	/SHR	S ECONOMIC INFORMATION, PETP/SHR S ECONOMIC INFORMATION/SHR(L) WESTERN EUROPE/SHR	SHR
Title	/TI	S PETP PRIC?/TI	TI
Trade Name	/TN (or /CN)	S MELINAR/TN	TN
Uniform Resource Locator (3)	/URL	S ACTA CHEM SOC/URL	SO, URL

(1) Terms from the indexing fields CT (CW) and NPT (CW) are available for search and display both in American and British spelling.

(2) Search with implied (L) proximity is available.

(3) Search with implied (S) proximity is available.

(4) A thesaurus is available for this field.

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

(6) 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'.

(7) Search with (S) proximity is recommended. Use of (W) proximity is not allowed.

(8) Searchable are pairs of main heading, subheading and main heading alone.

(9) Field available until 2013.

Patent Search Fields

Search Field Name	Search Code	Search Examples	Display Codes
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)
Inventor	/IN	S WIGHT P/IN	
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)

Patent Search Fields (cont'd)

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

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

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

Super Search Fields

Search Field Name	Search Code	Fields Searched	Search Examples	Display Codes
Application Number Group	/APPS	/AP, /PRN	S JP1993-66782/APPS S 1993JP-0066782/APPS	AI, PRAI
International Patent Classification	/IPC	/IC	S C09D011/IPC S C08K005-45/IPC	IC (ICM, ICS)
Patent Number Group (2)	/PATS	/PN	S EP579121/PATS S EP----579121/PATS S EP0579121/PATS	PI
Patent Countries (code and text)	/PCS	/PC, /DS	S US/PCS 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 multifile searching. EXPAND may not be used with super search fields. Use EXPAND with the individual field codes instead.

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

Thesaurus Fields

Code	Content	Examples
ALL	All Associated Terms (BT, SELF, NOTE, USE, UF, NT, RT)	E ABSORPTION SPECTROSCOPY+ALL/CT S TITANIUM DIOXIDE+ALL/NPT S POLYPENTENAMER/CT
Auto (1)	Next n F-Terms and previous n F-Terms	
BT (2)	Broader Terms (BT, SELF)	
HIE	Hierarchy (BT, SELF, NT)	E DELAMINATION+HIE/CT
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 ALANINE+NT/NPT

Thesaurus Fields (cont'd)

Code	Content	Examples
RT UF USE	Related Terms (SELF, RT) Preferred Terms (SELF, UF) Forbidden Terms (SELF, USE)	E ABRASION RESISTANCE+RT/CT E POLYACETAL+UF/CT 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.

DISPLAY and PRINT Formats

Any combination of formats may be used to display or print answers. Multiple codes must be separated by spaces or commas, 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 fields. Highlighting must be ON during SEARCH to use the HIT, KWIC, and OCC formats.

Format	Content	Examples
AB	Abstract	D TI AB
AI (AP)	Application Information	D AI
AN	Accession Number	D L3 N
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
FTDOI (2)	Digital Object Identifier	D FTDOI
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	Subject Headings Rapra	D SHR
SO	Source (format includes NR and PY)	D SO
TI	Title	D TI AU SO
TN (CN)	Trade Name	D TN
URL (2)	Uniform Resource Locator	D URL

DISPLAY and PRINT Formats (cont'd)

Format	Content	Examples
ABS ALL (1) DALL IALL (1) APPS (1) BIB (1)	AN, AB BIB, AB, IND ALL, with delimiter for post processing ALL, indented with text labels Application Number Group 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 ABS D ALL D DALL D IALL D APPS D BIB
IBIB (1) IND STD (1) ISTD (1) TRIAL (TRI, SAMPLE, SAM)	BIB, indented with text labels AN, FS, IC (ICM,ICS), CC, SC, CT, NPT, SHR, SHA, CO, CA, GT, TN BIB, IC (ICM,ICS) STD, indented with text labels TI, CT, NPT, SHR, SHA	D IBIB D IND D STD D ISTD D TRI
HIT KWIC OCC	Hit term(s) and field(s) Up to 50 words before and after hit term(s) (KeyWord-In-Context) Number of occurrences of hit term(s) and field(s) in which they occur	D HIT D KWIC 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.

SELECT, ANALYZE, and SORT Fields

The SELECT command is used to create E-numbers containing terms taken from the specified field 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 alphabetic or numeric order of the specified field(s).

Field Name	Field Code	ANALYZE/ SELECT (1)	SORT
Abstract	AB	Y	N
Accession Number	AN	Y	N
Application Country	AC	Y	Y
Application Date	AD	Y	Y
Application Information	AI	Y	Y
Application Number	AP	Y	Y
Application Number Group	APPS	Y	N
Application Year	AY	Y	Y
Author	AU	Y	Y
Citation	CIT	Y (4)	N
Classification Code	CC (CCEN)	Y	Y
CODEN	CODEN	N	Y
Controlled Term	CT	Y	N
Controlled Word	CW	Y	N
Corporate Address	CA (PAA)	Y	Y (2)
Corporate Name	CO	Y	Y

SELECT, ANALYZE, and SORT Fields (cont'd)

Field Name	Field Code	ANALYZE/ SELECT (1)	SORT
Corporate Source	CS	Y	Y
Designated State	DS	Y	N
Digital Object Identifier	FTDOI	N	Y
Document Type	DT (TC)	Y	Y
File Segment	FS	Y	Y
Geographical Term	GT	Y	N
International Patent Classification (Main and Secondary)	IC	Y	N
International Standard (Document) Number	ISN	Y (5)	Y
International Standard Serial Number	ISSN	N	Y
Inventor	IN	Y	Y
IPC, Main	ICM	Y	Y
IPC, Secondary	ICS	Y	N
Journal Title	JT	Y	Y
Language	LA	Y	Y
Meeting Title	MT	Y	Y
Non-Polymer Term	NPT	Y	N
Non-Polymer Word	NPW	Y	N
Number of Report	NR	Y	Y
Patent Assignee	PA	Y	Y
Patent Assignee Address	PAA (CA)	Y	Y (2)
Patent Countries	PCS	Y	N
Patent Country	PC	Y	Y
Patent Kind Code	PK	Y	Y
Patent Number	PN (PI)	Y	Y
Patent Number Group	PATS	Y	Y
Priority Country	PRC	Y	Y
Priority Date	PRD	Y	Y
Priority Number	PRN (PRAI)	Y	Y
Priority Year	PRY	Y	Y
Publication Date	PD	Y	Y
Publication Year	PY	Y	Y
Source	SO	Y (6)	N
Section Code	SC	Y	N
Subject Headings	SH	Y	N
Subject Headings Adhesives Abstracts	SHA	Y	N
Subject Headings Rapra	SHR	Y	N
Title	TI	Y (default)	Y
Trade Name	TN (CN)	Y	Y
Trade Names	CHEM	Y (3)	Y
Uniform Resource Locator	URL	Y	Y

(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.

(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:1145254 RAPRA FS Rapra Abstracts
TI TRIPLE-SHAPE EFFECT IN POLYMER-BASED COMPOSITES BY CLEVERLY MATCHING GEOMETRY OF ACTIVE COMPONENT WITH HEATING METHOD.
AU Muhammad Yasar Razzaq; Behl M; Kratz K; Lendlein A (Helmholtz-Zentrum Geesthacht)
SO Advanced Materials Vol.25, No.38, 11th Oct.2013, p.5514-5518
ISSN: 0935-9648
CODEN: ADVMEW
DOI: 10.1002/adma.201301521
PY 2013
DT Journal
LA English
AB The creation of a triple-shape effect for a segmented device consisting of an active component encapsulated in a highly flexible polymer network is described and demonstrated using a magnetic nanocomposite obtained by the thermally-initiated crosslinking of oligo(epsilon-caprolactone)dimethacrylate in the presence of silica-coated magnetite nanoparticles. Segments with the same composition but different interface areas are recovered independently either at specific field strengths during inductive heating, at a specific time during environmental heating or at a different airflow during inductive heating at constant field strength. 28 refs.
CC 42D5; 51Q; 627; 818
SC *KO; MB; OK; SB
CT AIR FLOW; COATED; COMPOSITION; CROSSLINKING; DATA; DIMETHACRYLATE POLYMER; ENCAPSULATION; FLEXIBILITY; FLEXIBLE; GEOMETRY; GRAPH; HEATED; HEATING; INSTITUTE; INSTITUTION; INTERFACE; MAGNETIC; MECHANICAL PROPERTIES; NANOCOMPOSITE; NANOFILLER; NANOPARTICLE; PLASTIC; POLYDIMETHACRYLATE; PROPERTIES; SHAPE-MEMORY; TECHNICAL; THERMAL CROSSLINKING; THERMOSET; TRIPLE SHAPE-MEMORY; TRIPLE-SHAPE
NPT MAGNETITE; SILICA; SILICON DIOXIDE
GT EEC; EU; EUROPEAN COMMUNITY; EUROPEAN ECONOMIC COMMUNITY; EUROPEAN UNION; GERMANY; WESTERN EUROPE

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

RAPRA**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 ALL OF ARTICLE

AN R:1086342 RAPRA FS Rapra Abstracts
 TI ALUMINA NANOFIBERS OBTAINED FROM POLYVINYL ALCOHOL/BOEHMITE
 NANOCOMPOSITES.
 AU Nakane K; Seto M; Irie S; Ogihara T; Ogata N (Fukui,University)
 SO Journal of Applied Polymer Science 121, No.3, 5th Aug.2011, p.1774-1779
 ISSN: 0021-8995
 CODEN: JAPNAB
 DOI: 10.1002/33319
 PY 2011
 DT Journal
 LA English
 AB PVAL/boehmite nanocomposite nanofibre were formed by electrospinning. The
 alumina nanofibre were obtained by calcination of the precursor nanofibre.
 The specific surface areas and the fibre diameters were found to be not
 affected by the alumina contents in the precursors. Pore characteristics
 of the alumina nanofibre were found to decrease with increasing
 calcination temperature due to sintering. Non-porous alumina nanofibre
 were obtained by calcination of the precursor nanofibre at 1200C.
 Measurements were made using SEM, TGA and X-ray diffraction. 14 refs.
 CC 42C311; 51Q; 62.14; 9.11.T; 824; 96T
 SC *KH; MB; OP; UL; SC; UH
 CT CALCINATION; CHEMICAL MODIFICATION; COMPOSITE; DATA; DIFFRACTION;
 ELECTRON MICROSCOPY; ELECTRON SCANNING MICROSCOPY; ELECTROSPINNING;
 FRACTURE MORPHOLOGY; GRAPH; GRAVIMETRIC ANALYSIS; GRAVIMETRY; INSTITUTE;
 INSTITUTION; MODIFICATION; MORPHOLOGICAL PROPERTIES; MORPHOLOGY;
 NANOCOMPOSITE; NANOFIBER; NANOFIBRE; PLASTIC; POLY(VINYL ALCOHOL);
 POLYVINYL ALCOHOL; POLYVINYLALCOHOL; POROSITY; PROPERTIES; PVAL;
 REINFORCED PLASTIC; REINFORCED PLASTICS; SCANNING ELECTRON MICROGRAPH;
 SCANNING ELECTRON MICROSCOPY; SCATTERING; SEM; SINTERING; SURFACE AREA;
 TABLES; TECHNICAL; TEM; TGA; THEORY; THERMAL GRAVIMETRIC ANALYSIS;
 THERMOGRAVIMETRIC ANALYSIS; THERMOPLASTIC; TRANSMISSION ELECTRON
 MICROSCOPY; VINYL ALCOHOL POLYMER; X-RAY DIFFRACTION; X-RAY SCATTERING
 NPT ALUMINA; ALUMINIUM OXIDE; ALUMINUM OXIDE; BOEHMITE
 GT JAPAN

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

In North America

CAS
STN North America
P.O. Box 3012
Columbus, Ohio 43210-0012 U.S.A.

CAS Customer Center:
Phone: 800-753-4227 (North America)
614-447-3700 (worldwide)
Fax: 614-447-3751
Email: help@cas.org
Internet: www.cas.org

In Europe

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P.O. Box 2465
76012 Karlsruhe
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Fax: +49-7247-808-259
Email: helpdesk@fiz-karlsruhe.de
Internet: www.stn-international.com

In Japan

JAICI (Japan Association for International Chemical Information)
STN Japan
Nakai Building
6-25-4 Honkomagome, Bunkyo-ku
Tokyo 113-0021, Japan
Phone: +81-3-5978-3601 (Technical Service)
+81-3-5978-3621 (Customer Service)
Fax: +81-3-5978-3600
Email: support@jaici.or.jp (Technical Service)
customer@jaici.or.jp (Customer Service)
Internet: www.jaici.or.jp