

Inforum 2009



Reliable and relevant reference information – *f a s t*

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What is Knovel?

Knovel is an online technical resource uniquely optimized so students and staff in specific engineering disciplines find relevant and reliable information faster.

Knovel does this with:

Select Content ♦ Optimized Search ♦ Interactive Tools

Knovel Focuses on Specific Disciplines

Mechanical Engineering

Chemical Engineering

Civil Engineering

Aerospace Engineering

Systems Engineering

Environmental Engineering

Petroleum & Energy Engineering

Industrial Engineering

Material Science

Safety Engineering



Used by *THES* Top Universities in the World & *US News and World Report's* Top Engineering Schools



Yale University

STANFORD UNIVERSITY



Imperial College
London

Princeton University

THE UNIVERSITY
OF CHICAGO



Knovel's Academic Subscribers:

Over 400 academic institutions in 40 countries

Include 62% of the Top 50 Universities in the World

Include 80% of the Top US Engineering Schools



The University of



UNIVERSITY OF
TECHNOLOGY



HELSINKI UNIVERSITY OF TECHNOLOGY



Reliable information for real world results

- Knovel offers technical reference content
 - Established and accepted science
 - Vetted by top societies and publishers
 - Written for real application
 - By engineers and practitioners
 - Solving real problems

“Knovel’s information is credible, up-to-date and covers a wide range of technical topics”



Optimized search and interactivity

- Optimized for engineering search
 - Finds data in tables, graphs, & equations
 - Automatic unit conversion
 - Search for numeric ranges
- Interactive tools for utilizing information
 - Plot points on graphs
 - Manipulate data in spreadsheet like environment
 - Knovel makes data quickly discoverable.

Optimized search

Knovel is ideal for searching for materials

Material Substance: Steel

Corrosion rate \leq 20 mil per year (mpy)

Use with citric acid

DEFINE SEARCH CRITERIA:

Category: materials and substances

Field Name: material or substance name

Operator: is (=)

Keyword(s): steel

AND OR

Category: stability

Field Name: corrosion rate

Units: mpy

Operator: less than or equal to (\leq)

Numeric Value: 20 mpy

Available Range: -1.34 - 105000.0 mpy

AND OR NOT

Category: keyword (default)

Field Name: all text fields

Operator: is (=)

Keyword(s): citric acid

SEARCH QUERY:
(keyword="chemical">

SEARCH **RESET**

Optimized search

Knovel found 5 matching records in a table of 1183 rows

Austenitic Cr-Ni-Mo Stainless Steel (17-12-3; 316L/317L)

Table: Austenitic Cr-Ni-Mo Stainless Steel (17-12-3; 316L/317L)
Table Type: Interactive Table
Search Query: (material or substance name = steel) and (corrosion rate <= 20 mpy) and (citric acid)
Total Number of Search Hits: 5
Total Number of Rows: 1183
Number of Hidden Columns: 6

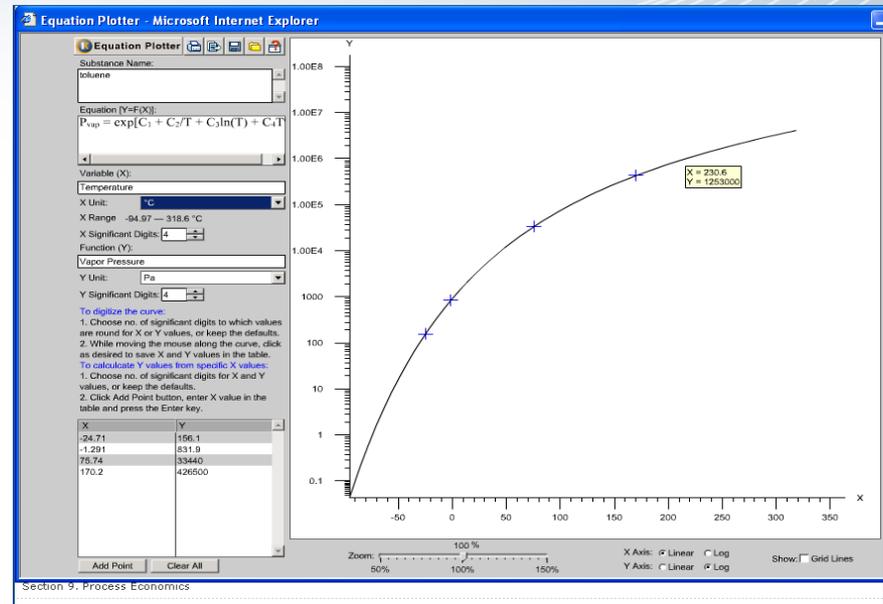
Pages: 1 Jump to: 1 of 1
Display: Data Found | [All Data](#)

Select Rows Filter Data in Table A-Z Sort Z-A Table Show / Hide Columns Change Column Order Print Table Export Table View Table Notes Back To Table of Contents Unit Converter Help

<input checked="" type="checkbox"/>	no.	material or substance name	exposure medium	exposure medium CAS RN	exposure medium formula	conc. (%)	temp. (◆F)	corrosion rate (mpy)	reference	no.
<input type="checkbox"/>	338	Austenitic Cr-Ni-Mo Stainless Steel (17-12-3; 316L/317L)	citric acid	77-92-9	C ₆ H ₈ O ₇	5 – 15	275 – 325	<2	39,135,219,220	338
<input type="checkbox"/>	339	Austenitic Cr-Ni-Mo Stainless Steel (17-12-3; 316L/317L)	citric acid	77-92-9	C ₆ H ₈ O ₇	5 – 55	25 – 225	<2	39,135,219,220	339
<input type="checkbox"/>	340	Austenitic Cr-Ni-Mo Stainless Steel (17-12-3; 316L/317L)	citric acid	77-92-9	C ₆ H ₈ O ₇	10	0 – 212	<2	39,135,219,220	340
<input type="checkbox"/>	341	Austenitic Cr-Ni-Mo Stainless Steel (17-12-3; 316L/317L)	citric acid	77-92-9	C ₆ H ₈ O ₇	25	104 – 221	<2	39,135,219,220	341
<input type="checkbox"/>	342	Austenitic Cr-Ni-Mo Stainless Steel (17-12-3; 316L/317L)	citric acid	77-92-9	C ₆ H ₈ O ₇	50	0 – 230	<2	39,135,219,220	342

Interactive features to manipulate data

- Equation Plotter
 - Solve live equations
 - Add specific values
 - Convert Units
 - Save, print export



2008 in Review

- **Robust Content Additions**

- Added 343 titles in 2008
- Produced 2,383 interactive objects in 2008.
- Launched new collection, Sustainable Energy and Development

- **Broad Content Usage**

- 34% of our Titles represented 80% of our Title Visits
- 1,614 Titles had 100+ title visits (over 90%!)
- 1,749 Titles had at least 1 visit.

Coming in 2009

- New subject areas
 - Industrial Engineering & Operations Management
 - Transportation Engineering
 - TBA

- Knovel Math
- 4500 New interactive features
- Knovel Lab – access through link at top of search pages.
- New features and enhanced functionality

- 11 • New titles released monthly.

Knovel Labs

- Spell checking
- Autocomplete
- Add Knovel to Your Search Bar
- New Login Design
- New features will be tested and previewed here.

Thank You