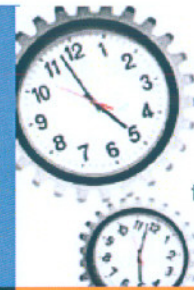


Getting Started with Knovel

Technical Information and Tools for Engineers

Engineers use Knovel for faster access to the right technical information:

- Best practices
- Disruption resolution
- Energy efficiency
- Failure analysis
- Get up to speed on new technologies
- Materials Selection
- Process Improvement
- Product design and development
- Safety compliance



"Dealing with a wide variety of issues i.e. designing, hydraulics, gas processing, project management - it's hard to keep up to date. **Knovel is very useful in cutting the time & effort required to search for material of interest.**

-Design Engineer, TRANSCANADA

Get up to speed in a new area Solve a design problem Look up a chemical formula Locate a new material Compare properties of substances Improve processes Spec out project plan Validate assumptions and equipment

Knovel offers more than 20 core subject areas ranging from Aerospace to Chemistry and Mechanics to Safety.

Adhesives, Coatings, Sealants & Inks
Aerospace & Radar Technology
Biochemistry, Biology & Biotechnology
Ceramics & Ceramic Engineering
Chemistry & Chemical Engineering
Civil Engineering & Construction Materials
Earth Sciences
Electrical & Power Engineering
Electronics & Semiconductors
Environment & Environmental Engineering
Food Science
General Engineering & Engineering Management
Industrial Engineering & Operations Management
Mechanics & Mechanical Engineering
Metals & Metallurgy
Nanotechnology
Oil & Gas Engineering
Pharmaceuticals, Cosmetics & Toiletries
Plastics & Rubber
Safety & Industrial Hygiene
Sustainable Energy and Development
Transportation Engineering
Textiles



Know More. Search Less.

www.knovel.com



Knovel provides quick and accurate answers to your questions:

What if? What is? How do I?

Optimized Search for Engineering

Knovel's search engine is optimized to deliver the results that engineers need. With Knovel, there is no need to waste time with countless irrelevant and unreliable hits from web search engines to locate the right information.

Enter a search term—

heat transfer and cooling systems

Options Search

Results are returned from vetted professional handbooks and databases. Icons indicate availability of additional analysis tools. **Keyword hits are shown in context—where they occur within the text.**



heat transfer and cooling systems

Options Search Recent Searches

My Knovel Browse Data Search Tools Support

Number of Titles Retrieved: 165 Page: 1 of 6

You searched for (heat transfer and cooling systems)

Add Search to My Knovel

Titles:

Titles:	Relevancy
Energy Efficiency Manual	100 %
2008 ASHRAE Handbook - Heating, Ventilating, and Air-Conditioning Systems and Equipment (I-P Edition)	52 %
Radiant Heating and Cooling Handbook	50 %
2009 ASHRAE Handbook - Fundamentals (I-P Edition)	49 %

Information you can trust

Drawing on content from more than 50 leading technical publishers and professional societies including AIAA, AIChE, ASHRAE, ASME, IEEE, NACE, SAE and TMS, ASME, Knovel ensures that technical information is relevant, reliable and of professional quality.

Tools for Productivity

Knovel delivers answers engineers can trust, and it provides tools to further analyze the results. Use the data—sort it, compare it and vet it—then export the results for later use. Retrieve data from traditionally static tables in a book. Only relevant rows are returned. Note that only 1 row of 4971 is relevant to the search query, saving significant time weeding through pages of text.

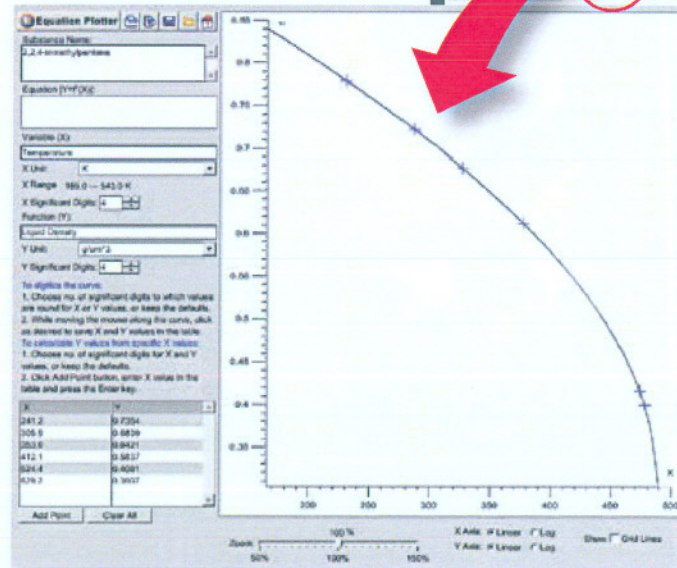
With Knovel's live graphs and equations, engineers can accurately plot points, test ranges for 'what if scenarios' and solve real-world problems without calculating complex equations or redrawing a static image.

Density of Liquid

Table: Density of Liquid
 Table Type: Interactive Table With Equation Plotter
 Search Query: (scootane density)
 Total Number of Search Hits: 1
 Total Number of Rows: 4971
 Number of Hidden Columns: 1

Density of Liquid
 Select Rows Filter Data Print Table Export Table View Table Notes Unit

no.	material or subst...	synonym	CAS Registry No.	mol. for...
4858	2,2,4-trimethylp...	isobutyltrimethyl...	140-84-1	C ₈ H ₁₈



No other resource takes into account your critical need for analysis. Knovel's tools help you maximize your time so you and other members of your team – whether on-site or in the field—can collaborate and deliver projects on time every time.

Know More. Search Less.

Knovel for
Academic Libraries



Know More.
Search Less.



Knovel offers more than
20 core subject areas

Adhesives, Coatings, Sealants & Inks
Aerospace & Radar Technology
Biochemistry, Biology &
Biotechnology
Ceramics & Ceramic Engineering
Chemistry & Chemical Engineering
Civil Engineering & Construction
Materials
Earth Sciences
Electrical & Power Engineering
Electronics & Semiconductors
Environment & Environmental
Engineering
Food Science
General Engineering & Engineering
Management
Industrial Engineering & Operations
Management
Mechanics & Mechanical
Engineering
Metals & Metallurgy
Nanotechnology
Oil & Gas Engineering
Pharmaceuticals, Cosmetics &
Toiletries
Plastics & Rubber
Safety & Industrial Hygiene
Sustainable Energy and
Development
Transportation Engineering
Textiles



What Knovel users
are saying

*"Knovel is a product that makes
libraries look good!"*
REFERENCE LIBRARIAN,
UNIVERSITY OF WISCONSIN

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To build expertise and to be competitive in a rapidly evolving global economy, faculty and students need access to relevant and reliable content and data. Whether users need to look up a chemical formula, compare properties of substances or research alternative energy sources, Knovel has it covered. Do you?

Knovel works with more than 300 academic institutions worldwide including **12 of the top 15** engineering schools in the United States. We know that academic libraries face many challenges including collection development. Resources are limited and user requirements and requests continually evolve.

Centralize Engineering Content and Keep References Current

Knovel can help librarians to centralize and increase access to high-quality engineering content provided by best-in-class sources. Knovel is a web-based service that offers students and faculty 24x7 access to the relevant and reliable technical information they need wherever they are.

For more than 10 years, Knovel has helped engineers worldwide to deliver innovative and cost-effective projects on time. Knovel's easy-to-use search, best-in-class content and data analysis tools can facilitate the productivity and marketability of your students and faculty.

Knovel's Trusted Information- Consider the Sources

Drawing from more than 70 leading technical publishers and professional societies including AIAA, AIChE, ASHRAE, ASME, and SAE, Knovel ensures that technical information is relevant, reliable and of professional quality.

Search Optimized for Engineers

Knovel's optimized search tools "understand" engineering language and deliver results that are relevant and complete even when the data is hidden in tables, graphs and equations. With Knovel, there is no need to waste time with countless irrelevant and unreliable hits from web search engines to locate the right information.

Data Analysis Tools

Knovel delivers answers engineers can trust, and it provides tools to further analyze the results. Users can retrieve and use data from traditionally static tables in a book. They can also sort it, compare it and vet it – then export the results for later use while automatically documenting the original source. Knovel also supports direct export to popular bibliographic management tools.