

# Product Information Systems



## The producer's Obligation

Choosing the right material for design is of utmost significance for nearly all product classes. Material costs consume a high percentage of total product costs and making a poor material choice often causes subsequent damage or liability claims. Decision makers therefore depend on reliable and sound information on the applied materials and it has become widely accepted that it is the material producer's obligation to provide the accurate data.

## Complex Data for Complex Applications

Today the deployment of all products and applications, e.g. for the automotive industry, requires highly accurate planning and projecting already in pre-study to predict the product behaviour during manufacturing and in use. For these purposes complex design software come into operation.

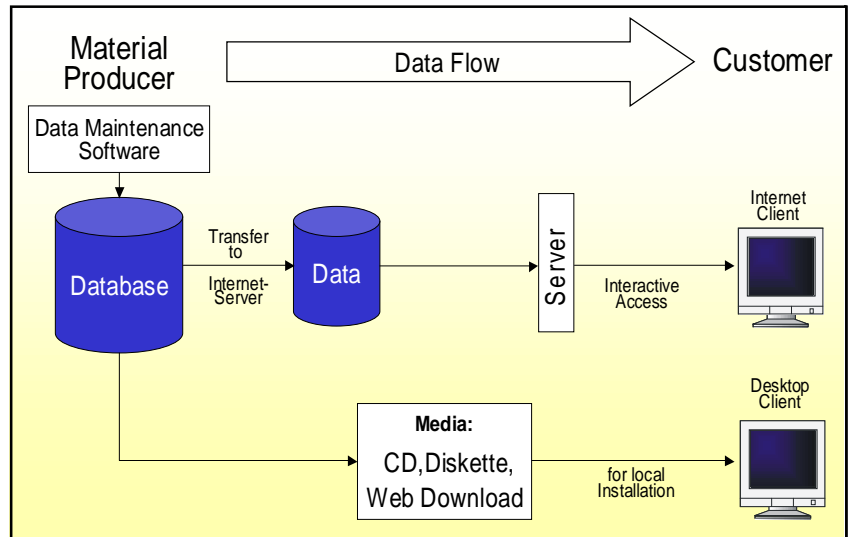
These software programs imply, as any other conventional design method, reliable and sound material data. If such data is not available for the designer, it is most likely that feasible materials are disqualified just because an important calculation could not be made.

## Time Pressure

Everybody involved in planning and design is pressed of time so that decisions need to rely on very short-term availability of data. Here it is not only a matter of the mere data availability, but also of effective working with the data (e.g. comparing data, searching for different criteria, generating tables and graphs).

Extensive data inquiries, producer queries or even laboratory tests as they used to be common practice, nowadays are out of the question.

Hence, in case of doubt the promising method or material will



Principle of a Product Information System

rather be excluded in order to prevent time delays.

## Benefits of a Database

These arguments make a good case for new methods of material information. Out of the need for up to date information and the demand for data evaluation it stands to reason to make use of a material database.

It is of general understanding and expected by the customer that the data has to be delivered by the material producer which is why more and more material producers make use of state of the art electronic catalogues and material databases to follow this demand.

## M-Base Product Information Systems

M-Base engineers and software developers have many years of experience in developing product information systems through a wide range of material families. Our technology can easily be adapted to all sorts of materials and data requirements of our individual customers.

Some of the world-leading systems are based on our technology. We serve all platforms, from PC desktop

up to modern internet applications.

## Cost-Value Ration

Distributing material data by means of modern database technologies is the cutting edge in keeping up to date information and fast access rates. Product information systems also have significant cost advantages towards conventional print media. Above all, this technology demonstrates a considerable prestige gain.

## References

The following companies represent an extract from the list of references who are working with M-Base Software for their product information system: Biesterfeld, Albis, BASF, Ticona, DSM, Solvay, Honeywell, Teijin, Degussa, Bakelite, Radici, Polimeri, LG Chem.

We have concepts for material families like Thermoplastics, Thermosets, Elastomers, Fibers, Additives and all classes of metals (steel, aluminium, etc.)