

Spallation, accelerators
and nuclear plants



Engineering plastics and
components

Engineering plastics and components for spallation, accelerators and nuclear plants



Engineering plastics used in spallation, accelerators and nuclear plants are steadily increasing. A significant benefit is that the designs can be made up to 80 percent lighter than metal constructions. Other benefits include corrosion-safety, high mechanical strength, dimensional stability, selflubrication, flammability-safe, etc.

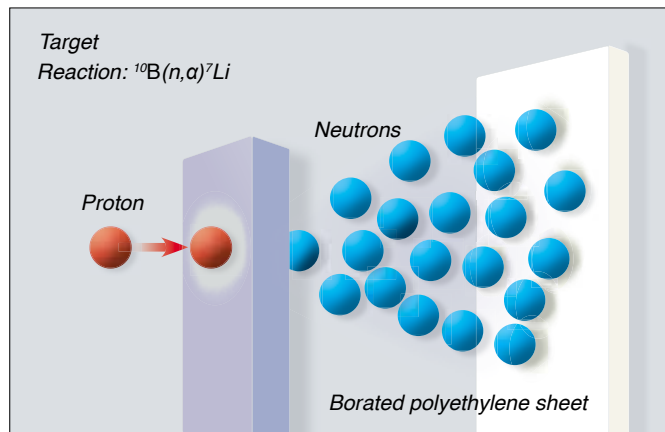
Certain engineering plastics have shielding properties and can withstand high and low temperatures. All these properties contribute to significant cost advantages, low lifetime costs and a secure plant.

MAX IV ring, Lund, Sweden. Photo: Nils Bergendal

Carlsson & Möller can take part in the supply chain by offering OEM customers machined parts and components

Engineering plastics exposed to particles and electromagnetic radiation

For spallation, accelerators and nuclear plants, as well as those involving science, research, and healthcare, where radiation endurance and protection is essential, we offer a specially developed plastic material for shielding.

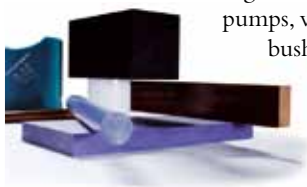


Our Boron-filled polyethylene sheets, Borotron, are cost-effective solutions for absorbing neutron radiation.

Engineering plastics for OEM

Standard...

For OEM manufacturing of components and details such as pumps, valves, fittings, slides, guides, bushings, bearings brackets etc., we provide a wide range of engineering plastics including thermosets and thermoplastics.



...or with special features

Although most plastics are electrical insulators, Carlsson & Möller markets a range of modified engineering plastics offering excellent resistance to high energy radiation (gamma- and X-rays).

Other engineering plastics prevent electrostatic discharge (ED) to built up causing damages on electric equipment.

These ESD plastics are ideal in electronic applications.

Our MD plastics contain metal detectable additives. Loose particles from machine elements can easily be traced and captured by conventional metal detection systems in a process line.

Products that you can trust

On demand, you will receive material and products fully traceable according to SS-EN 10204.

Carlsson & Möller fulfils the current Quality management system ISO 9001 and the Environmental standard ISO 14001.

Our products for radiation shielding are approved according to SVHC (Substances of Very High Concern) and comply with the REACH regulations.

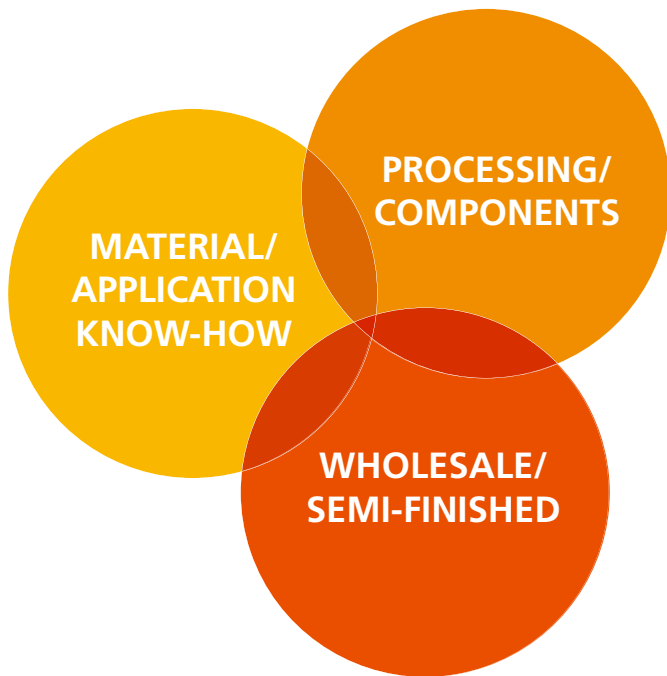
N.B. For other applications: consider the effects on different plastics if they are exposed to radiation

OEM partner in the supply chain

Carlsson & Möller can also take part in the supply chain by offering our OEM customers machined parts and components according to specifications. Our well-equipped machine shop only processes polymer materials that safeguard contamination risks from other non-plastic materials, cutting oils etc. Flexibility in our production means that we can produce both short and long series very economically, as well as individual prototypes. When we make prototypes we machine directly using the selected material to make virtually every shape imaginable.



Carlsson & Möller is a leading Swedish company within engineering plastics and polymer materials. We have 70 years' extensive experience from basic to very high-tech applications including aerospace, medtech and nuclear research.



Our activities cover three areas, which separately or together, satisfy customer needs.

CM Lean for optimum customer benefit

We use a Lean model with value concepts based on the initials of our company name.

CM = Customer Motivated: Customer focus - commitment.

CM = Cross Minded: Thinking outside the box - innovative solutions.

CM = Cost Minded: Cost conscious - economically smart solutions.

CARLSSON & MÖLLER

Together we create new possibilities

AB Carlsson & Möller, Box 22161, SE-250 23 Helsingborg, Sweden

+46 (0)42-25 38 00, info@c-m.se

Request for quote
forfragan@c-m.se

Orders
order@c-m.se

www.c-m.se

