

# Plastics processing industry

Areas of application of ISOCOS insulation materials:

- **Insulation of injection moulding machines, presses, extrusion and blow moulding machines**

In plastics processing, the requirements on insulation are as varied as the production processes themselves. ISOCOS solutions are customised precisely to the application and the corresponding thermal, mechanical and chemical load.

Our insulation concepts for injection mould machines, foil production systems or extruders reduce machine wear, lower energy costs, shorten heat-up times and cycles, and form the basis of consistent quality by exactly controlling the heat balance.

Our solutions are designed for safe, continuous long-term use of the equipment.

→ [Rubber processing industry](#)

## ISOCOS solutions for the plastics processing industry

Product name	Operating temperature (long term)	Compressive strength at 23 °C
<a href="#">cosTherm® A</a>	270 °C	10 N/mm <sup>2</sup>
<a href="#">cosTherm® E.210</a>	210 °C	600 N/mm <sup>2</sup>
<a href="#">cosTherm® E.230</a>	230 °C	650 N/mm <sup>2</sup>
<a href="#">cosTherm® G.500</a>	500 °C	400 N/mm <sup>2</sup>
<a href="#">cosTherm® G.700</a>	700 °C	340 N/mm <sup>2</sup>
<a href="#">cosTherm® P.250</a>	250 °C	650 N/mm <sup>2</sup>
<a href="#">cosTherm® S.280</a>	280 °C	450 N/mm <sup>2</sup>
<a href="#">cosTherm® 4000</a>	200 °C	320 N/mm <sup>2</sup>
<a href="#">cosTherm® 4000 A</a>	200 °C	100 N/mm <sup>2</sup>
<a href="#">cosTherm® 4000 HD</a>	200 °C	500 N/mm <sup>2</sup>
<a href="#">cosTherm® 4000 plus</a>	230 °C	450 N/mm <sup>2</sup>
<a href="#">cosTherm® E.230 HD</a>	250 °C	750 N/mm <sup>2</sup>