

Processing information for iglidur® bar stock

igus® subjects its bar stock to a material-specific tempering process so that they remain dimensionally stable during and after machining. All bar stock from 25mm thickness are tempered, regardless of the respective iglidur® material. For materials that are suitable for use at high temperatures such as iglidur® X, C500 or A500, all bar stock are basically tempered.

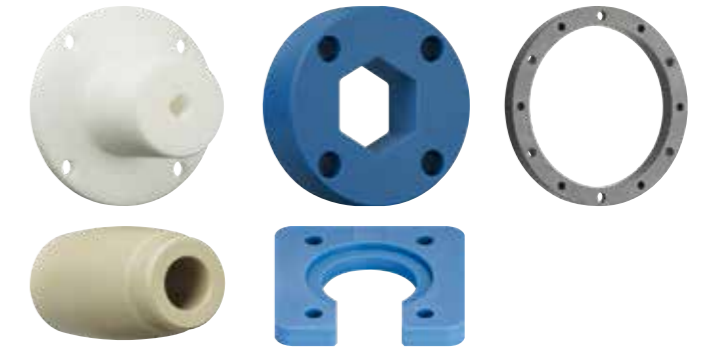
What is tempering and how does it work?

During tempering, a material is subjected to a heat treatment for a prolonged period, during which the melting temperature is not exceeded. The selected temperature and the duration of the treatment vary depending on the material, material thickness and shape. It is crucial that the material is completely heated up and cooled slowly and evenly to room temperature after the holding time of the temperature. Tempering is particularly effective only with a slow cooling.

Tempering specifications for iglidur® materials

	iglidur® material					
	E7, RN326, K230, A160, B160	J, J2, J3, J4, J200, JB, A180, A181, B180	J260	W300, M250, GLW, P210, F2, T220	A350, J350, H1, H2, H4	X A500 C500
Heat up	+80°C	+120°C	+130°C	+180°C	+200°C	+220°C
Maximum temperature/ holding time	+80°C	+120°C	+130°C	+180°C	+200°C	+220°C
Cooling down	Cool down to maximum +20°C per hour until room temperature					

Individual manufacture



Free igus® online services

- Online tools, e.g., for service life prediction
- Order or request bar stock quickly and easily
- Get special parts made from bar stock
- Order sample box
- Application examples

igus® manufactures your component in the desired form, desired quantity and required material

If you do not want to machine yourself, we will manufacture precise special parts for you quickly and cost-effectively according to drawings. This service has been made very easy for you: send a PDF drawing or a 3D model online along with your material requirements and the quantity. Then you will receive a non-binding offer. Your components are manufactured and shipped within a few days, and within ten days at the latest for up to 100 parts.

1. Submit an enquiry

Complete the online form with some basic information.

2. We machine your component according to your specifications

Upon order, igus® starts the production process.

3. You receive your product

Your required component is ready to ship and delivered quickly.

Submit an enquiry:

► www.igus.eu/individual-component-barstock

