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Technical Literature B-04

Long-term Thermal Stability of AURUM®

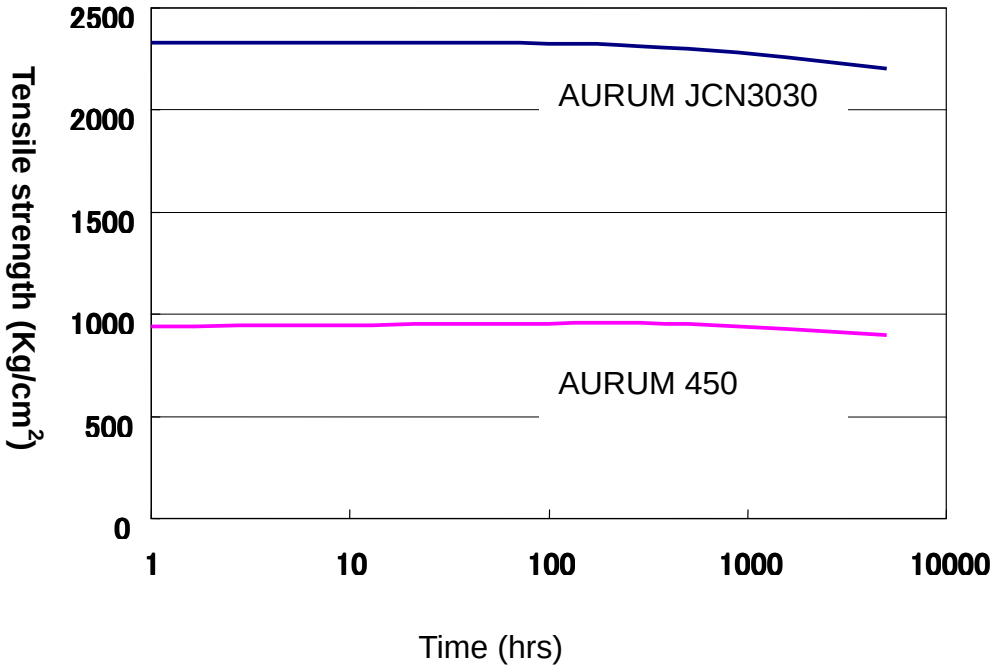
One of the characteristics of AURUM® is excellent long-term thermal stability at high temperatures.

The long-term thermal stability of a resin is usually evaluated by the changes with time in its properties (such as mechanical and electrical properties, for example) which will take place when a test specimen of the resin is exposed to a high-temperature atmosphere.

Fig. 1 shows changes in the tensile strength of AURUM® at 230ºC.

In addition, Fig. 2 shows changes in the Izod impact strength of AURUM® in comparison with ULTEM, another thermoplastic polyimide.

Fig. 1 Changes with Time in Tensile Strength at 230ºC



The information contained herein is based on the information and data available at this moment, but none of the data or evaluation results contained herein provide any warranty whatsoever.

Fig. 2 Changes with Time in Izod Impact Strength at 220ºC