



POLYTRON informs

Plastics Properties

Properties of plastics are permanently influenced by environmental and applicational conditions. Temperature, climate, light (UV), chemicals and other environmental conditions strongly affect the plastics properties even after a short exposure time! Even during transportation and storage, environmental conditions may have a negative effect on plastic parts and/or semi-finished shapes. Due to that fact it is always necessary to figure up tolerances suitable for thermoplastics for all quotations and orders.

The shelf life of semi-finished plastic shapes and parts made thereof is mainly influenced from above described conditions. Under laboratory conditions and without any uncontrolled influence lifetime of much more than 10 years is provable. However, in practice – even during simple storage – plastics often face different influences, which make a valid prediction of shelf life impossible.

We would like to point out that properties and dimensions of all plastic components and semi-finished shapes we supply are determined right after production in standard atmosphere at 23°C room temperature and 50 % humidity. The data given in our material data sheets are average values and partly taken from the information of the raw material suppliers. It is quite possible, however, that in some cases the material properties differ significantly from the information given in our data sheets.

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