



GROSS + FROELICH
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Technical Bulletin No. 4

Fire Behaviour, Flammability

According to the type of caster basically Polyamide (PA) or Polypropylene (PP) is used to manufacture our casters. On a small scale other plastics like TPU or POM are being used to make specific components.

As per our suppliers all plastic types being used to manufacture our casters are at least conform to class HB according the standard UL94.

In the literature the heat value of Polyamide is indicated with approximately 30 MJ/kg; for Polypropylene it is a value of approximately 44 MJ/kg. Considering the share in other plastics in a caster is rather small the heating value of the main component PA or PP can be taken as a basis.

The heating value of the single caster can be easily figured out considering the total weight of the respective plastic components.