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The effect of damping function on extrudate swell

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**Highlights**

- Simulation of extrudate swell of a high MW HDPE using the K-BKZ constitutive model.
- Determination of the damping function at large strains using the cone partitioned plate.
- Sensitivity analysis of Wagner damping function parameters on extrudate swell
- Accurate prediction of extrudate swell of a highly MW HDPE melt.

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