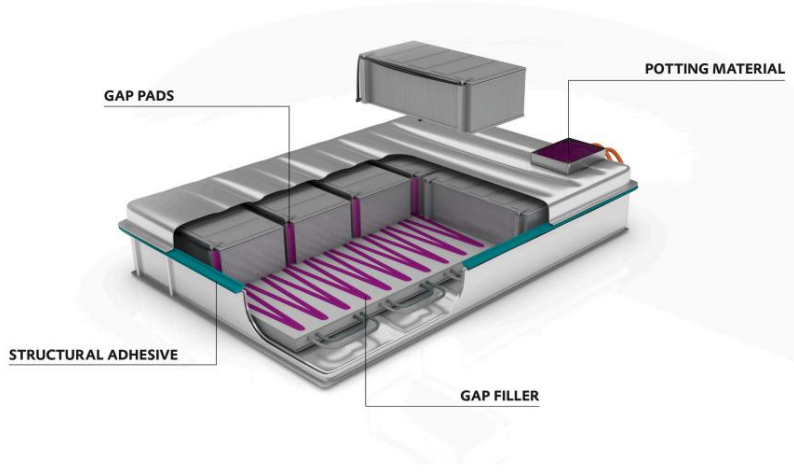
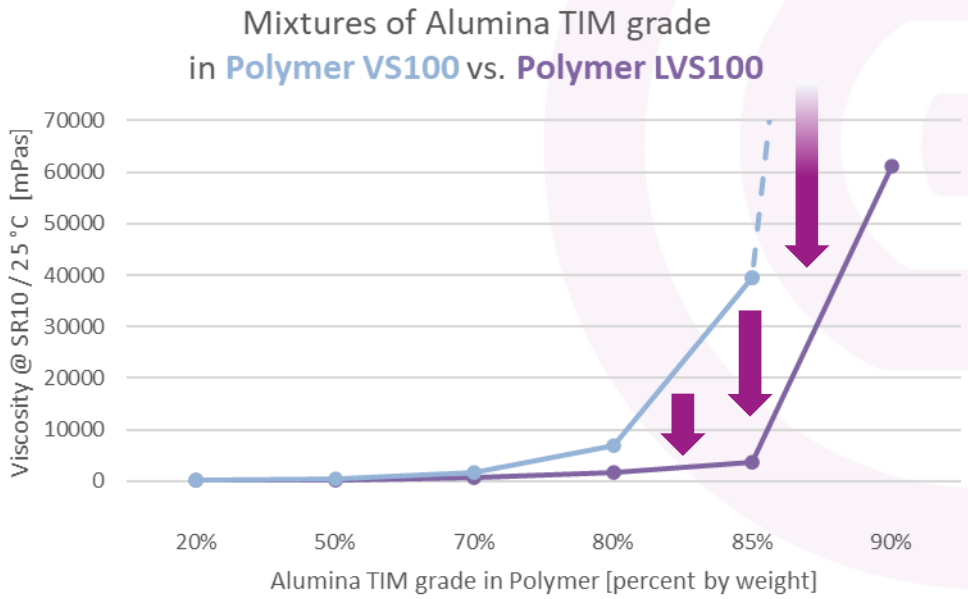
The LVS-Effect

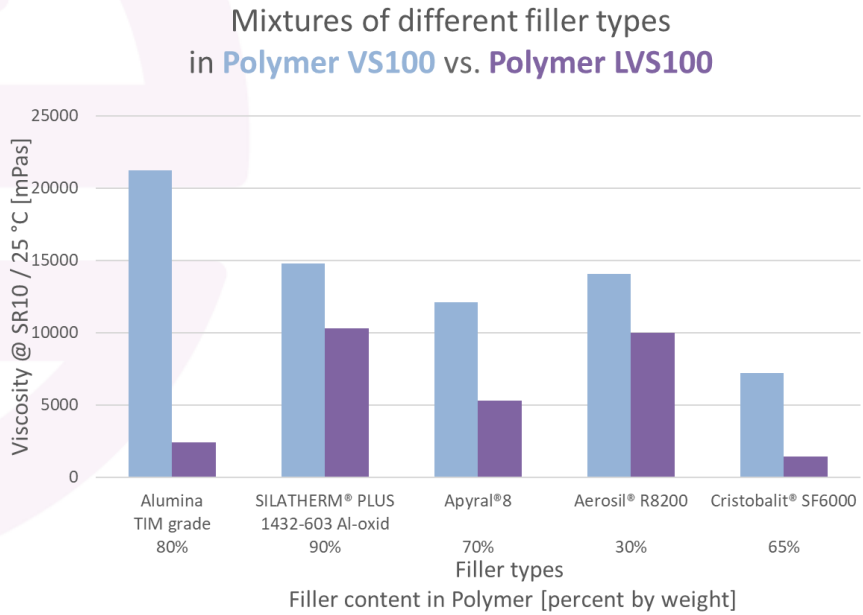
Polymer VS 100 and Polymer LVS 100 are pure, linear vinyl-terminated polydimethyl siloxanes, both sharing the same viscosity of 100 mPas.

However, when being highly filled e.g. with aluminum oxide powders, the resulting viscosities differ massively. Polymer LVS 100 can lead up to approximately 10 times lower formulation viscosities (↓).

This effect is of vital interest particularly in thermally conductive gap fillers where maximum filler loadings are required in combination with good flowabilities.







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