

Technical Information

Polymer ST 80**For high modulus adhesives as alternative to 2K-polyurethanes and epoxies****Applications**

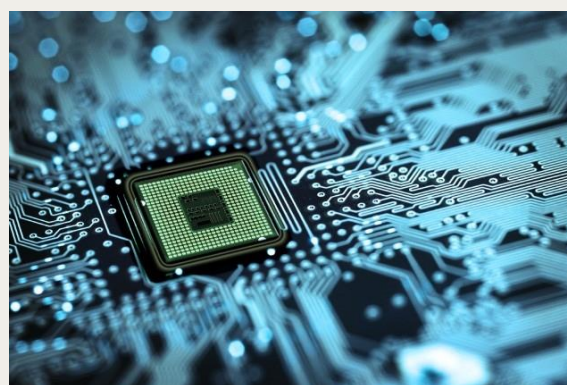
The product design of Polymer ST 80 enables formulators to produce adhesives with high strength combined with exceptional surface hardness.

This makes it possible to address applications that require Shore D hardness levels. Currently 2K-polyurethanes or epoxies are most commonly used in these applications.

Technical properties (no specification data)

Appearance	colourless, transparent
Viscosity	approx. 20,000 mPas
Plasticizer	none
Tensile strength in formulation*	approx. 10 N/mm ²
Elongation in formulation*	30 %
Shore A in formulation*	80 (ca. Shore D 25)

*formulation available upon request

**Benefits**

Polymer ST 80 is a high quality binder for adhesive formulations where high bonding strength and high surface hardness after curing are required.

Polymer ST is a labelling free raw material due to regulatory requirements.



Processing

When selecting raw materials, especially when it comes to fillers (e.g. CaCO_3), it is recommended to use products with the lowest water content possible. Fillers can be pre-dried before use.

Containers should be stored at a similar temperature to their surroundings as to reduce the chance for water condensation. This is of particular importance when materials are stored outside in the winter months.

It is necessary to keep all equipment used for processing clean and dry. Surfaces can be cleaned with volatile solvents, such as acetone, if necessary.

The product is activated for reaction once the catalyst is added or when exposed to moisture. After this time it must be kept in closed, dry containers.

Packaging

950 kg IBC

Samples: 1 l aluminum bottle

Shelf life

In closed containers stable for 12 months at temperatures up to 104 °F (40 °C).

Registration status

The ingredients of Polymer ST 80 are listed in the following chemical inventories:

EINECS/ELINCS, TSCA, DSL, PICCS, TCSI

Further information is available on request.

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