

Technical Information

Polymer ST 61**For high quality wood floor adhesives with high strength and elasticity****Applications**

Polymer ST 61 is a high quality polymer which is used for wood floor adhesive formulations.

Polymer ST 61 allows a high degree of flexibility for the formulations: adhesives with high strength and hardness are possible as well as soft adhesives with high elasticity.

Example I:

Tensile strength 1.65 N/mm²
Elongation 140 %, Shore A 53

Example II:

Tensile strength 4.4 N/mm²
Elongation 80 %, Shore A 73

Technical properties (no specification data)

| | |
|----------------------------------|-------------------------|
| Appearance | colourless, transparent |
| Viscosity | approx. 35,000 mPas |
| Plasticizer | none |
| Tensile strength in formulation* | 1–5 N/mm ² |
| Elongation in formulation* | 80 – 230 % |
| Shore A in formulation* | 30 – 70 |

*formulation available upon request



Benefits

Polymer ST 61 is a silane-terminated polymer for formulations which meet the demands of ecolabels such as "Blauer Engel" or "Ecodecode EC1".

The mechanical performance of Polymer ST 61 allows high dosages of fillers without compromising the tensile strength of the formulation.

Processing

When selecting raw materials, especially when it comes to fillers (e.g. CaCO₃), 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 kg aluminum packs

Shelf life

12 months when stored in closed containers at temperatures up to 104 °F (40 °C).

Registration status

The ingredients of Polymer ST 61 are listed in the following chemical inventories:

EINECS/ELINCS, TSCA, DSL, PICCS, TCSI

Further information is available on request.

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