# Technical Data Sheet
# Sealant epple HT

Stand: 04-2021

## Description:

**epple HT** is a solvent-containing, one-component sealing compound on the basis of copolymers.
It is particularly suitable where great demands on film resistance, adhesive strength and temperature resistance are given. After evaporation of the solvents, **epple HT** forms a tough-elastic film in the sealing joint with good ageing resistance.

## Field of application:

Sealing of surfaces

The sealing compound **epple HT** is mainly used for the sealing of flanges at gears and for pumps of most different types.

## Specific properties:

**epple HT** is silicone-free and does not contain any halogen compounds.

## Application / Surface:

- The surfaces of the assembly components have to be clean and free from dust and grease.
- Stir-up the sealing compound before use.
- The skin formation time at ambient is 30 – 45 min.

## Cleaning of tools:

Thinner 11

## Packaging unit:

Metal-tin

## Basis / characteristics

| Components | | Solvent- | | | Chemical Basis | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **1C** | 2C | free | **containing** | aqueous | EP | PU | Acrylate | Chloro-prene | Polyvinyl-acetate | **Copolymer** |

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| Properties of the liquid sealing compound | | |
|---|---|---|
| **Property** | **Value** | **In accordance with standard** |
| **Viscosity** | pasty | DIN EN ISO 3219 |
| **Density** | 1.0 – 1.2 g/cm³ / 20 °C | DIN 53479 |
| **Colour** | olive green | |
| **Solid content** | 48 – 52 % | |
| **Storage** | 24 months in closed original containers, stored in a dry and cool but frost-free place. Ideal storage temperature: 5 – 30 °C. | |

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| Properties of the cured sealing compound | | |
|---|---|---|
| **Property** | **Value** | **In accordance with standard** |
| **Curing**<br>Ventilation time<br>Skin formation time<br>Curing / track 4-6 mm | <br>none<br>30 – 45 min<br>24 h / 20 °C | |
| **Curing conditions / Contact pressure** | >5 °C / no contact pressure required, just fixing | |
| **Hardness** (after 7 days at 20 °C)<br>Shore-A<br>Shore-D | <br>-<br>- | <br>DIN 53505<br>DIN 53505 |
| **Adhesive strength in tensile shear test**<br>(after 7 days at 20 °C)<br>Steel / Steel (blasted SA 2,5) | <br><br>- | <br><br>DIN EN 1465 |
| **Surface cleavability**<br>(after curing) | <br>none | |
| **Temperature resistance**<br>(after 7 days at 20 °C) | <br>-25 °C to +250 °C | |
| **Chemical resistance**<br>(after 7 days; max. 3 months) | ammonia vapours<br>butanol<br>glycol<br>glycerine<br>fuel<br>fuel oil<br>mineral oil<br>water | epple-standard |

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