

### Description:

**epple 4851-new** is an one-component contact adhesive on the basis of chloroprene, which cures to a highly elastic adhesive film.

### Application:

**epple 4851-new** is used as contact adhesive, so that both assembly parts need to be coated with the adhesive (approx. 150 – 300 g/m<sup>2</sup>). The components can be jointed by compression after an airing time of a few minutes (dust-free surfaces). Thanks to its wide bonding spectrum, epple 4851-new is mainly used for the bonding of plastics among each other or with metals, as well as for the bonding of rubber parts.

### Specific properties:

**epple 4851-new** is free from toluene

### Application / Surface:

- The surface has to be clean and free from dust and grease.
- Apply evenly to the adhesive faces on one or both sides. With very absorbing surfaces, eventually apply the adhesive twice and allow to evaporate.
- If possible, stir-up the adhesive before use.

### Cleaning of tools:

Thinner 11

### Packaging:

metal tin, tube

### Basis / Characteristics

Components		Solvent-			Chemical Basis					
1-comp.	2-comp.	free	containing	aqueous	EP	PU	Acrylate	Chloroprene	Polyvinylacetate	Terpolymer

### Properties of the liquid adhesive

Property	Component A	Following to standard
Viscosity	2000 mPas – 4500 mPas	DIN EN ISO 3219
Density	0.85 g/cm <sup>3</sup> - 0.88 g/cm <sup>3</sup> / 20°C	DIN 53479
Colour	yellowish	-
Loss on drying up to 140°C	74 % - 76 %	-
Pot life	-	DIN VDE 0291-2
Storage	12 months in closed original containers, stored in a dry and cool but frost-free place. Ideal storage temperature: 5 - 30 °C.	

Diese Druckschrift soll Sie beraten. Die darin gemachten Angaben entsprechen unserem besten Wissen, jedoch kann eine Verbindlichkeit daraus nicht hergeleitet werden.

This data sheet is for your information. The data supplied are according to the best of our knowledge and no liability can be inferred from them.

### Properties of the cured adhesive

Property	Value	Following to standard
<b>Curing</b> Ventilation time Time to handling strength Time to final strength	10 min (dry to touch) max. 2 h 10 min 3 d	-
<b>Curing conditions /            Contact pressure</b>	approx. 2 bar	-
<b>Adhesive strength in the tensile            shear test</b> (after 7 days at ambient) Steel / steel (blasted SA2,5)	0.5 N/mm <sup>2</sup> – 1.5 N/mm <sup>2</sup>	DIN EN 1465
<b>Adhesive strength in the peel test            180 °</b> (after 7 days at ambient) Rubber / Rubber	6.0 N/cm – 10.0 N/cm	DIN EN 1464
<b>Surface adhesion</b>	none	-
<b>Temperature resistance</b>	-30 °C to +70 °C	-
<b>Chemical resistance</b> (after 7 days; max. 3 months)	Water, climatic influences	epple-standard

Diese Druckschrift soll Sie beraten. Die darin gemachten Angaben entsprechen unserem besten Wissen, jedoch kann eine Verbindlichkeit daraus nicht hergeleitet werden.

This data sheet is for your information. The data supplied are according to the best of our knowledge and no liability can be inferred from them.