

Description:

epple 5851-new is a two-component contact adhesive on the basis of chloroprene, which cures to a highly elastic adhesive film.

Application:

epple 5851-new is used as a contact adhesive, so that both assembly parts need to be coated with the adhesive (approx. 150 - 300 g/m²) after mixing the two components. The assembly parts can be joined by compression after an airing time of a few minutes (dust-free surfaces). Thanks to its wide bonding spectrum, **epple 5851-new** is mainly used for the bonding of plastics among each other or with metals, as well as for the bonding of rubber parts. **epple 5851-new** provides an elevated thermal resistance compared with our one-component version **epple 4851-new**.

Specific properties:

The product is free of toluene.

Application / Surface:

- The surfaces of the assembly components have to be clean and free from dust and grease.
- Decant component B into the tin of component A. Mix the two component thoroughly and homogeneously. Eventually fill over the mixture into another, clean container and stir the material again.
- Apply evenly to the adhesive faces on one or both sides. With very absorbing surfaces, eventually apply the adhesive twice and allow to evaporate.
- The assembly components need to be fixed appropriately until tangibility is reached.

Cleaning of tools:

Thinner 11

Packaging:

Metal tin

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	Component B	Following to standard
Viscosity	2000 mPas - 4500 mPas	10 mPas - 100 mPas	DIN EN ISO 3219
Viscosity of mixture	1500 mPas - 4000 mPas		DIN EN ISO 3219
Density	0.85 -0.88 g/cm ³ / 20°C	0.98 -1.02 g/cm ³ / 20°C	DIN 53479
Mixing rate	90 parts by weight	10 parts by weight	gravimetric
Colour of mixture	yellowish		-
Loss on drying up to 140°C	74 % - 76 %		
Pot life	30 min (dust-dry)		
Storage	12 months in closed original containers, stored in a dry and cool but frost-free place. Ideal storage temperature: 5°C - 30°C. Stir-up before use.		

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

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Properties of the cured adhesive

Property	Value	Following to standard
Curing Ventilation time Time to handling strength Time to final strength	10 min - 120 min 10 min - 30 min 12 h - 48 h	-
Curing conditions / Contact pressure	> 2 bar	-
Adhesive strength in the peel test 180 ° (after 7 days at ambient temperature) Rubber / rubber	6.0 – 12.0 N/cm	DIN EN 1464
Surface adhesion	none	-
Temperature resistance	-30°C to +150°C	-
Chemical resistance (after 7 days; max. 3 months)	water atmospheric conditions	epple-standard

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