

Description:

epple 4551 is an adhesive with many uses. It can also be applied for rapid bonding, even with absorbing substrates. The adhesive film remains transparent and elastic

Application:

epple 4551 is mainly used for the rapid bonding of different plastics and metals, where the glued joint is exposed to low mechanical strain. It is suitable for the rapid bonding on absorbing materials, e. g. paper or paper board.

Application / Surface:

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

Cleaning of tools:

Thinner 11

Packaging:

Tin, cartridge, pail

Basis / Characteristics

Components		Solvent-			Chemical Basis					
1-comp.	2-comp.	free	containing	aqueous	EP	PU	Acrylate	Chloro-prene	Polyvinyl-acetate	Terpolymer

Properties of the liquid adhesive

Property	Value	Following to standard
Viscosity	5 – 10 Pas	DIN EN ISO 3219
Density	0.9 – 1.1 g/cm ³ / 20 °C	DIN 53479
Colour	crystal clear, transparent	-
Loss on drying up to 140 °C	60 – 66 %	-
Storage	24 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.

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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	1 – 3 min - 24 h	-
Curing conditions / Contact pressure	Contact pressure	-
Hardness (after 7 days at 20 °C) Shore-A Shore-D Pendulum hardness / König	- - -	DIN 53505 DIN 53505 DIN 53157
Adhesive strength in the tensile shear test (after 7 days at 20 °C) Steel / steel (blasted SA 2,5)	0.5 – 2.0 N/mm ²	DIN EN 1465
Surface adhesion	none	-
Temperature resistance (after 7 days at 20 °C)	-25 °C to +80 °C	-
Absorption of water 20 °C / 7 days	-	ISO 62
Chemical resistance (after 7 days; max. 3 months)	-	epple-standard

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