Technical Data Sheet
Adhesive epple 5601

Issue: 10-2020

Description:

epple 5601 is a two-component adhesive on the basis of epoxy and amine hardeners. It is characterised by its low viscosity and a long pot life. **epple 5601** is used for the bonding of metals and plastics.

Application:

epple 5601 is applied where a rather rigid adhesive joint of medium toughness is to be achieved. It is highly tolerant towards mixing errors.

Specific properties:

The mixing proportion of **epple 5601** is of 1:1, both with gravimetric and volumetric blending.

Application / Surface:

- The surface has to be clean and free from dust and grease.
- Decant component B into the tin of component A. Mix the two components thoroughly and homogeneously. Eventually, fill over the mixture into another, clean container and stir the material again.
- The assembly components need to be fixed appropriately until tangibility is reached.

Cleaning of tools:

Thinner 11

Packaging:

Tin, pail

Basis / Characteristics

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

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Properties of the liquid adhesive			
Property	**Component A**	**Component B**	**Following to standard**
Viscosity	7 - 11 Pas	21 - 25 Pas	DIN EN ISO 3219
Viscosity of mixture	15 - 20 Pas		DIN EN ISO 3219
Density	1.27 - 1.37 g/cm³ / 20 °C	1.27 - 1.37 g/cm³ / 20 °C	DIN 53479
Mixing rate	50 parts by weight 50 parts by volume	50 parts by weight 50 parts by volume	gravimetric volumetric
Colour of mixture	black, beige		-
Loss on drying up to 140 °C	0 %		
Pot life	120 - 240 min		
Storage	24 months in closed original containers, stored in a dry and cool but frost-free place. Ideal storage temperature: 5 - 30 °C. Stir-up the sealing compounds before use, please.		

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	 none 5 h 5 d	-
Curing conditions / Contact pressure	> 5 °C no contact pressure required, just fixing	-
Hardness (after 7 days at 20 °C) Shore-A Shore-D Pendulum hardness / König	 - 57 - 67 15 - 25 s	 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)	 5 - 10 N/mm²	 DIN EN 1465
Surface adhesion	none	-
Temperature resistance (after 7 days at 20 °C)	 -30 °C to +150 °C	-
Absorption of water 20 °C / 7 days	 1.75 - 2.05 %	 ISO 62
Chemical resistance (after 7 days; max. 3 months)	alkaline, diluted acids oils, ATF fuels, grease bore and cutting oils water	epple-standard

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