Technical Data Sheet
Adhesive epple-easy 5711

Issue: 12-2020

Description:

epple-easy 5711 is a two-component, solvent-free and low-viscous adhesive on the basis of polyurethane. It provides particular high adhesive strength to metals, light metals, non-ferrous metals, paper, cardboard and wood.

Application:

epple-easy 5711 is mainly used for the bonding of combinations out of metal and plastic, as well as for the fastening and protection of electronic components in circuit boards. The product adjusts itself perfectly to the most different assembly components.

Specific properties:

epple-easy 5711 is being applied by means of a dual cartridge, so that manual mixing is not necessary. The product is therefore particularly suitable for the use in small series.

Type of mixer:

Mini (40 ml):	MA 6.3-21-S
Maxi (400 ml):	MCX 12-24

Cartridge gun:

Gun mini DMA 50 with tappet PLA 050-04
Gun maxi DM 400

Application / Surface:

- The surface has to be clean and free from dust and grease.
- The assembly components need to be fixed appropriately until tangibility is reached.
- For further information, regarding the use of the double cartridges, please see our application instructions for epple-easy on our website www.epple-chemie.de under “equipment and accessories”.

Cleaning of tools:

Thinner 11

Packaging:

Cartridge

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	18 - 27 Pas	0.1 - 0.2 Pas	DIN EN ISO 3219
Viscosity of mixture	7 – 10 Pas		DIN EN ISO 3219
Density	1.2 - 1.3 g/cm³ / 20 °C	1.2 - 1.3 g/cm³ / 20 °C	DIN 53479
Mixing rate	80 parts by weight 4 parts by volume	20 parts by weight 1 parts by volume	gravimetric volumetric
Colour of mixture	brown		-
Loss on drying up to 140 °C	0 %		
Pot life	30 - 40 min		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.		

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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	 - 45 min 2 h	-
Curing conditions / Contact pressure	>5°C	-
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)	 7 - 11 N/mm²	 DIN EN 1465
Surface adhesion	none	-
Temperature resistance (after 7 days at 20 °C)	 -20 °C to +100 °C	-
Absorption of water 20 °C / 7 days	 0.28 - 0.38 %	 ISO 62
Chemical resistance (after 7 days; max. 3 months)	oil fuel grease	epple-standard

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