

Description:

epple HF is a solvent-containing, one-component resin on the basis of a vinyl acetate-copolymer. After evaporation of the solvents, it results in a tough and flexible film with high abrasion resistance.

Application:

epple HF is particularly used as impregnation resin and adhesive for inductors in the electrical industry. It can be applied manually or automatically during the winding of the inductor or even after the winding process by immersion or spraying. **epple HF** is characterized by its good bonding to various substrates.

Specific properties:

epple HF provides good resistance at even high humidity like it is given e. g. in tropical areas.

Application / Surface:

- The surfaces of the assembly components, resp. of the inductor, have to be clean and free from dust and grease.
- The assembly components need to be fixed appropriately until tangibility is reached.
- If possible, stir-up the adhesive before use.

Cleaning of tools:

Thinner 11

Packaging:

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	Value	Following to standard
Viscosity	0.1 – 1 Pas	DIN EN ISO 3219
Density	0.9 – 1.0 g/cm ³ / 20 °C	DIN 53479
Colour	transparent	-
Loss on drying up to 140 °C	75 – 80 %	-
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	up to 10 min 60 min 3 days	-
Curing conditions / Contact pressure	no contact pressure required, just fixing	-
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)	-	DIN EN 1465
Surface adhesion	none	-
Temperature resistance (after 7 days at 20 °C)	-25 °C to +150 °C	-
Absorption of water 20 °C / 7 days	0.6 – 0.9 %	ISO 62
Chemical resistance (after 7 days; max. 3 months)	water saline solutions oils greases fuels alcohols diluted mineral acids diluted alkaline	epple-standard

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