

### Description:

**epple-easy 5740-new** is a two-component, solvent-free cast resin on the basis of polyurethane. It is supplied in a dual-cartridge. The medium-viscous material cures to a soft, elastic mould and is characterized by its balanced ratio between elastic and ductile contents. **epple-easy 5740-new** provides good adhesion on metals and very good adhesion on various plastics.

### Application:

Thanks to its elasticity, **epple-easy 5740-new** is particularly suitable for the grouting of components subject to vibration. It protects circuit boards and electronic components against mechanical and chemical strains. **epple-easy 5740-new** is applicable to protect the electronics of accelerometers (e. g. inductive sensors and foucault current sensors), which are used to evaluate the operating characteristics and conditions of motors.

### Specific properties:

**epple-easy 5740-new** is characterized by its very low shrinkage, hence no tension appears within the resin during its curing process. It provides very good adhesion to polycarbonate and polyamide.

### Legal regulations:

Accordant to RoHS (2011/65/EU): yes

### Type of mixer:

Mini (40 ml): MX 0517-0413

Maxi (400 ml): MCA 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.
- 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](http://www.epple-chemie.de) under "equipment and accessories".

### Cleaning of tools:

Thinner 11

### 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	8-18 Pas	0.1-0.2 Pas	DIN EN ISO 3219
Viscosity of mixture	5-10 Pas		DIN EN ISO 3219
Density	1.2-1.4 g/cm <sup>3</sup> / 20°C	1.2-1.3 g/cm <sup>3</sup> / 20°C	DIN 53479
Mixing rate	83 parts by weight 82 parts by volume	17 parts by weight 18 parts by volume	gravimetric volumetric
Colour of mixture	black		-
Loss on drying up to 140°C	-		
Pot life	30-50 min		DIN VDE 0291-2
Storage	6 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
<b>Hardness (after 7 days at 20°C)</b> Shore-A Shore-D Pendulum hardness / König	53-63 12-22 2-12 s	DIN 53505 DIN 53505 DIN 53157
<b>Storage / weight loss</b> 140 ° C / 7 days / air	4.3-5.3 %	epple-standard
<b>Surface adhesion</b>	-	-
<b>Temperature resistance</b>	-25°C to +140°C	-
<b>Absorption of water</b> 20 ° C / 7 days	0.5-1.5 %	ISO 62
<b>Chemical resistance</b> (after 7 days; max. 3 months)	Water detergent ATF-oil	epple-standard

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