Technical Data Sheet epple-easy 5740-new

Issue: 06-26

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:

maxi (400 ml): MCX 10-24

Cartridge gun:

Gun maxi 4 :1

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 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	Chloro-prene	Polyvinyl-acetate	Terpoly-mer

E. EPPLE & CO. GMBH
Dichtstoffe // Klebestoffe // Gießharze // Lohnfertigungen
Sealants // Adhesives // Cast Resins // Job order manufacturing
Hertzstraße 8
D - 71083 Herrenberg - Germany

Tel. +49 (0)7032/9771-0
Fax +49 (0)7032/9771-50
E-Mail info@epple-chemie.de
Web www.epple-chemie.de

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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/cm³ / 20°C	1.2-1.3 g/cm³ / 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
Hardness (after 7 days at 20°C) Shore-A Shore-D Pendulum hardness / König	 53-63 12-22 2-12 s	 DIN 53505 DIN 53505 DIN 53157
Storage / weight loss 140 ° C / 7 days / air	4.3-5.3 %	epple-standard
Surface adhesion	-	-
Temperature resistance	-25°C to +140°C	-
Absorption of water 20 ° C / 7 days	0.5-1.5 %	ISO 62
Chemical resistance (after 7 days; max. 3 months)	Water detergent ATF-oil	epple-standard

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