

**Description:**

epple 33 is an one-component, solvent-containing sealing compound on the basis of copolymers. The sealant forms a tough-elastic film, so that even larger gap lengths can be bridged.

**Field of application:**

Sealing of surfaces and seams.

epple 33 is used at rough machined and coarse surfaces or threads, e. g. for the sealing of wickets, in transmission manufacturing or at air-ducts. Thanks to its low viscosity it can also be applied as sealant to absorbing substrates, as this provides slight consolidation of the surface at the same time.

**Specific properties:**

epple 33 is silicone-free and of remarkably high temperature resistance of 320 °C.

**Application / surface:**

- ⇒ The surfaces of the assembly components have to be clean and free from dust and grease.
- ⇒ If possible, stir-up the sealing compound before use.
- ⇒ The skin formation time at ambient is of 15 minutes.

**Cleaning of tools:**

Thinner epple 11.

**Packaging unit:**

Tube, brush-in-cap can, metal-tin.

Basis / characteristics				
solvent-containing	aqueous	solvent-free	curing	duroplastic

Properties of the liquid sealing compound		
Property	Standard	Value
Viscosity	DIN EN ISO 3219	20 Pas
Density	DIN 53479	1,06 g/cm <sup>3</sup>
Colour		grey
Solid content		45 %
Storage	24 months in closed original containers, stored in a dry and cool place (ideal storage temperature: 5 - 30 °C).	

**E. Epple & Co. GmbH**

Sealing compounds // Adhesives // Cast resins  
Hertzstrasse 8  
D-71083 Herrenberg

Tel +49 (0) 70 32/97 71-0  
Fax +49 (0) 70 32/97 71-50  
E-Mail info@epple-chemie.de  
Web www.epple-chemie.de





Properties of the cured sealing compound		
Property	Standard	Value
Curing ventilation time skin formation time curing / track of 5 mm	-	none 15 min 18 h
Curing conditions / contact pressure	-	> 5 °C no contact pressure required, just fixing
Hardness Shore-A Shore-D elasticity	DIN 53505 DIN 53505	- - tough-elastic
Tensile test strength elongation	epple-standard (acc. to DIN EN ISO 527)	10,0 N/mm <sup>2</sup> 100 %
Adhesive strength in the shear tension test wood / wood steel / steel (blasted SA2,5) PA 6 / PA 6	DIN EN 1465	4,0 N/mm <sup>2</sup> 0,8 N/mm <sup>2</sup> 0,3 N/mm <sup>2</sup>
Adhesive strength in the peel test 180 °	DIN EN 1464	-
Surface cleavability	-	none
Temperature resistance	-	- 30 °C to + 320 °C
Thermal conductivity	ISO 8894-1	-
Absorption of water 20 °C / 1 day 20 °C / 2 days 20 °C / 4 days 20 °C / 7 days 20 °C / 14 days	ISO 62	+4,36 % +4,78 % +5,09 % +5,29 % +5,12 %
Chemical resistance	epple-standard	ammonia vapours, fuel, butanol, anhydrous glycerine, fuel oil, mineral oils, perchloroethylene, saline solutions, pure spirits of turpentine, water, pure xylol, fuel compound.

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Diese Druckschrift soll Sie beraten. Die in ihr gemachten Angaben entsprechen unserem besten Wissen, jedoch kann eine Verbindlichkeit daraus nicht hergeleitet werden.

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