

with hand and head



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<https://www.apraktika.hu/en/silicone-plasticine>

Silicone Plasticine aPplast 40: Technical Data Sheet

APplast 40 is a two-component (base and catalyst) addition, kneadable silicone rubber that cures at room temperature.

Main features of the product:

- purple color, it is also used for aesthetic model making
- 30 minutes pot life, convenient for meticulous work
- extremely high tear resistance
- zero shrinkage

Main application areas:

- Suitable for coating objects, devices, electrical wires
- Sampling of any vertical or ground-facing surfaces
- Making moulds for low melting point metals
- Food safe, preparing fast gastro mould for chocolate etc.



1. Instructions for use

1. Weigh an equal amount of catalyst "A" and base "B" (ex. 100 grams of catalyst and 100 grams of base; within a 5% error range results the same quality).
2. Mix the components energetically by hand for 1 minute until the colour of the product is homogeneous. Use vinyl glove to avoid skin irritation.
3. Once the mixture is ready press into the mould. If you take sample from a master object consider using silicone separator. However silicone does not adhere to many materials.
4. If the quantity used is less than what is needed to complete the mould, just take another portion of components, mix them and apply to the missing part. The two mixtures stick together perfectly within 24 hours.
5. After the hardening time we can separate the model from the object. If necessary use compressed air to facilitate this separation.

The silicon rubber is compatible with all gypsums, coatings, polyurethane resins, acrylic resins, food, drink etc.

2. Important recommendations

Observe the exact proportions! 1: 1 / weight ratio to obtain the specified technical properties. Surfaces in contact with silicone must be clean, dry and free of grease. Do not use latex gloves!

The presence of sulfur, unbound epoxy, polyester, condensation silicone and polyurethane rubber components prevents the hardening.

If in doubt whether the object or its surface contains the above materials, use release agent.



3. Chemical and physical properties

Mixing ratio by volume or weight	1:1
Colour	purple
Working time (pot time) at 23 ° C	30 min.
Curing time at 23 ° C	5 h
Hardness after 24 hours	40 Shore A
Tensile strength	3,58 N/mm ²
Elongation at break	430 %
Tear resistance	24,97 N/mm
Density	1.25 g/cm ³
Shrinkage after 24 hours	< 0,03%

4. Shelf Life

The Silicone Plasticine aPplast 40 is guaranteed for a period of 18 months provided it is stored correctly at a temperature of between 5°- 27°C (41° - 80°F).

The advice given verbally, in writing or through demonstrations for the use of the products are based on our best knowledge.

However the use and application of the product by the user lie beyond the control of the company and are therefore the user's own responsibility.