TECHNICAL INFORMATION

TecClay 8433TMC

Composition:	waxes, oil, fillers (sulfur-free), pigments
Density:	approx. 0,8 g/cm^3, de-aired
Color:	Light brown
Odor:	neutral
Shelf life:	at least 24 months at temperatures from 0°C/32°F to 30°C/86°F
Working temperature:	40°C/104°F – 55°C/131°F
Warming time:	~ 3 hours, depending on type and load of the oven
Degree of hardness:	medium
Shore hardness A:	55 (20°C / 68°F)
Penetration (hardness):	20°C/68°F 40°C/104°F 60°C/140°F
(according to ASTM D937-92)	20 47 130 (1/10mm)
Solubility:	insoluble in water, partially soluble in organic solvents
Toxicology:	**TecClay** does not contain substances with labelling phrases or skin irritant ingredients.
Sales information:	1 bar = 0,56 kg/1,23 lbs; volume: approx. 0,74 l (profile approx. 6,0 x 5,4 cm; length of bar approx. 22 cm) 20 pcs in carton; 600 pcs on pallet

The values given are typical test results which should be used as a guide only. They cannot be considered as specifications or guarantees.

Safety instruction:

- Do not heat **TecClay** over the recommended temperature (55°C/131°F).
  Hazards:
  - Burns to the skin from molten material
  - The material can be ignited at higher temperatures;

    the following instructions should therefore be followed:
    - Keep well away from ignition sources
    - Prevent contact with uncovered heating wires/heating coils
    - Keep well away from sparks/open flames
- Do not use any combustible materials when heating the material in the oven.
- Safety data sheets are obtainable on request.

Instructions of use:

- **TecClay** is continuous elastic and will not harden.
- Heating up to 55°C/131°F makes the material soft and elastic.
- To reach the best results we advise to heat up **TecClay** for 3 hours at 55°C/131°F. **TecClay** should not be heated over 55°C/131°F.
- At room temperature **TecClay** models stay hard – so do all edges.
- The surface of a cooled down model may be processed and flattened manually or by a clay milling machine.
- As a carrier material we advise wood or styrofoam.
- Carrier material and clay stick together without the use of glue.
  The carrier material should have a coarse surface free of dust (we advise to seal foam models with shellac before loading clay).
- **TecClay** adhesive properties make it possible to load small amounts of clay to repair damaged surfaces. Changing the model is possible without any problems.
- If you want to load larger amounts of clay upon an already cooled down surface, we advise to heat up the model surface. Only this procedure guarantees a durable and stable connection of old and new clay.
- When using a heat-gun do not exceed temperatures above 55°C/131°F.
- The clay can be lacquered with **ClayPeel**.
- Finishing with lacquer-foils and drawing off is possible
- Soiled surfaces can be cleaned with cleaner solvent.

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