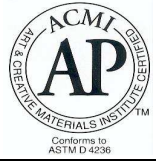


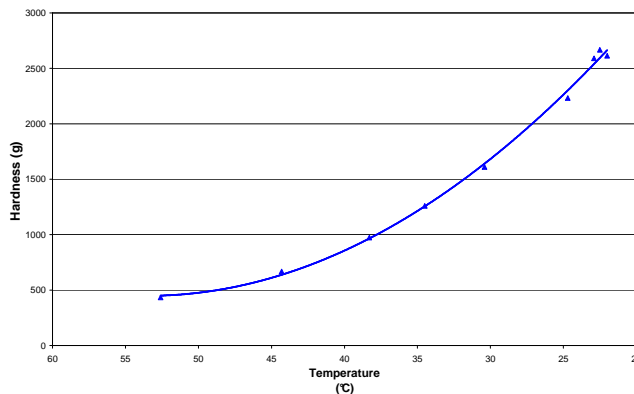
Technical Information

Marsclay medium 8432M / 8432MC

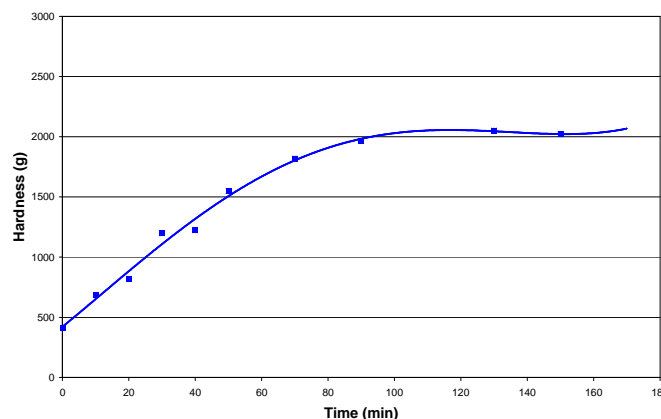


Composition	waxes, oil, fillers, pigments
Density	1,45 g/cm ³ , de-aired
Colour	oxid-brown
Odour	neutral
α (Linear Shrinkage Coefficient)	2,8 x 10 ⁻⁴ K ⁻¹ (Cooling from 60°C/140°F to 22°C/72°F) 0,8 x 10 ⁻⁴ K ⁻¹ (Cooling from 22°C/72°F to -12°C/10,4°F)
Shelf Life	practically unlimited, avoid temperatures over 60°C / 140°F
Storage Temperature	max. 60°C / 140°F
Working Temperature	55° - 60°C / 131 - 140°F
Degree of Hardness	medium
Penetration (Hardness)	20°C/ 40°C/ 60°C/ (according to ASTM 1321-95) 68°F 104°F 140°F 29 65 93
Solubility	insoluble in water, partially soluble in organic solvents
Toxicology	Marsclay medium does not contain harmful or skin irritant ingredients and carries the AP-Seal of the ACMI Institute Boston, USA.
Sales Info	1 twin-bar = 2,3 kg / 9 twin-bars in carton = 20,7 kg net

Cooling rate of Marsclay medium – Hardness-Temperature-Diagram



Cooling rate of Marsclay medium – Hardness-Time-Diagram



Instructions of Use:

- As a permanently malleable compound **Marsclay medium** remains pliable and can be used again and again.
- When heated to 55 - 60°C / 131 - 140°F, the clay becomes soft and pliable.
- The heating period is about 5 hours (depending on volume and oven type).
- At room-temperature up to 25°C / 77°F the models keep their contours and edges.
- Modifications can be made to the finished model simply and dust free.
- Wood, polystyrene and hard foams can be used as base materials.
- Base materials and the warm modelling clay bond without the need of adhesives.
- Once the top surface has cooled down, the model can be shaped by hand or milling machines.
- Due to the special bonding qualities of the clay, only small amounts of material need to be applied in order to repair damaged sharp edges.
- By applying of bigger masses we commend to warm up the base layer for an optimum bond.
- Grave quantities should be applied in layers.
- Finishes with modelling film can be removed quickly and easily.
- When using a heat-gun do not exceed temperatures over 60°C / 140°F.
- The clay-model can be casted with gypsum or silicone. As releasing agent shellac can be used.
- By hot conditions or direct solar radiation softening of the surface occurs.
- Contaminated surfaces can be cleaned with cleaner solvent, like orange terpene.
- The clay can be lacquered with peelable paints.



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