



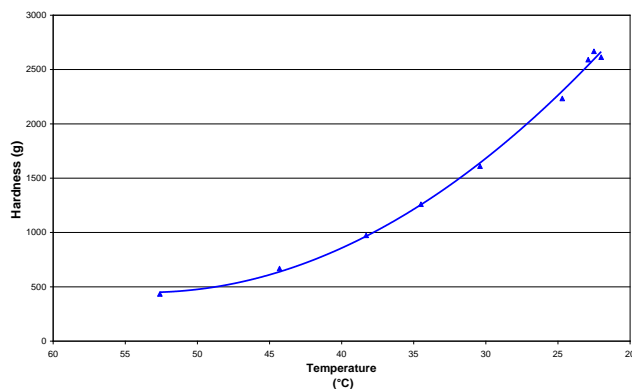
Technical Information

Marsclay medium 8432M / 8432MC

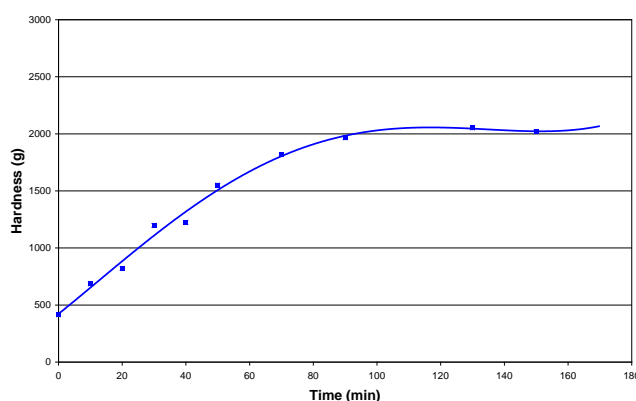


Composition	wax, oil, fillers, pigments
Density	1,45g/cm ³ , de-aired
Color	oxid-brown
Odor	neutral
α (Linear Shrinkage Coefficient)	2,8 x 10 ⁻⁴ K ⁻¹ (cooling from 60°C/140°F to 22°C/72°F) 0,8 x 10 ⁻⁴ K ⁻¹ (cooling from 22°C/72°F to -12°C/10,4°F)
Shelf Life	min. 24 months at temperatures from 0°C/32°F to 30°C/86°F
Working Temperature	55°C/131°F - 60°C/140°F
Degree of Hardness	medium
Shore hardness A	62 (20°C/68°F)
Penetration (hardness)	20°C/68°F 40°C/104°F 60°C/140°F
(according to ASTM D937-92)	22 50 122 (1/10mm)
Solubility	insoluble in water, partially soluble in organic solvents
Toxicology	Marsclay medium is toxicologically harmless, certified by ACMI, USA.
Sales Info	1 twin-bar = 2,3kg/5,07lbs; 9 twin-bars in carton = 20,7kg net; volume: 1,6l

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°C/131°F - 60°C/140°F, the clay becomes soft and pliable.
- The heating period is about 5 hours (depending on type and loading of oven).
- 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.
- The clay can be lacquered with **ClayPeel**.
- Soiled surfaces can be cleaned with cleaner solvent.



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