

TECHNICAL INFORMATION

Marsclay Medium 8432M / 8432MC

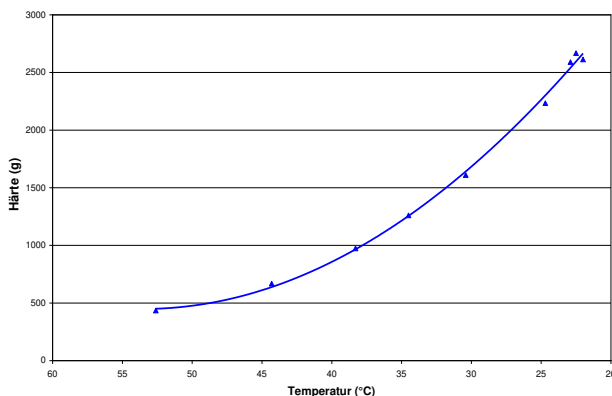
Composition:	waxes, oil, fillers, pigments
Density:	approx 1,5 g/cm ³ , de-aired
Color:	brown
Odor:	neutral
α (Linear Shrinkage Coefficient)	2,8 x 10 ⁻⁴ K ⁻¹ (cooling from 60°C/140°F to 22°C/72°F) 0,8 x 10 ⁻⁴ K ⁻¹ (cooling from 22°C/72°F to -12°C/10,4°F)
Shelf life:	at least 24 months at temperatures 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.



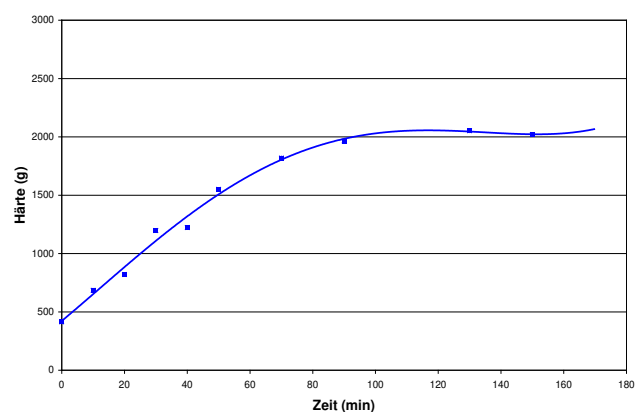
Sales info: 1 twin round bar = 2,30 kg/5,07 lbs; volume: approx. 1,55 l
(2 bars each diameter approx. 6,0 cm; length of bar approx. 26 cm)
9 pcs in carton; 216 pcs on pallet

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

Cooling rate of Marsclay Medium – Hardness-Temperature-Diagram



Cooling rate of Marsclay Medium – Hardness-Time-Diagram



Instruction 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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