

ebalta polyurethane casting resins for your one to one concrete cavity replica

A real piece of art!

Tooling resins Blocks Auxiliaries Silicones



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Solution Takes Shape

The ebalta PU Elastomers GM 955 are special developments for the high requirements of the mould and tool making field in the concrete and ceramic industry.

Material	GM 955-40	GM 955-55	GM 955-70	Properties
Mixing ratio	100 : 10,5	100 : 13	100 : 17	<ul style="list-style-type: none"> ▪ high chemical resistance ▪ low absorption ▪ excellent flow properties ▪ good degasing ▪ high dimensional accuracy ▪ good tear propagation resistance ▪ easy to grind
Processing data				
Pot life 200 g / 20 °C (min.)	20 – 30	20 – 30	20 – 30	
Curing time at RT (hrs.)	6 – 20	6 – 20	6 – 20	
Physical data				
Shore hardness (Shore A)	40	55	70	
Tensile strength / test piece type 2 / ISO 37 (Mpa)	3 ± 0,4	3,8 ± 0,5	6,0 ± 0,5	
Elongation at break / test piece type 2 / ISO 37 (%)	590 ± 40	400 ± 40	350 ± 50	
Tear resistance arch shaped test piece without incision 1 mm (kN/m)	16 ± 1	18 ± 1	31 ± 1	



For more than 40 years ebalta has been the leading manufacturer of tooling resins for mould and tool making as well as for the field of design and foundry. Our wide product range includes epoxy and polyurethane resins, boards and blockmaterial, as well as pastes, silicones and auxiliaries.

Our team of product managers and local distributors advise you on material and set up schedules according to your individual project requirements.

Just feel free to contact us, we look forward to you!

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Dated: 02/2015