

Technical Datasheet

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WEICON Casting Resin MS 1000



**liquid
unfilled
low viscosity pure epoxy resin**

WEICON MS 1000 Casting Resin is suitable for the most diverse applications, such as for casting electrical components, and can be blended by various fillers (in form of powder, fibres and fabric), e.g. for the production of highly filled backfilling compounds.

WEICON MS 1000 Casting Resin can be used in the electrical industry, in machine construction and in many other applications.



Technical Data

Composition	Epoxy resin unfilled
Specific Properties	liquid
Colour after curing	transparent, slight inherent colour
Mixing ratio by weight resin/hardener	100:20
Density of the mixture (200g preparation)	1,1 g/cm ³
Viscosity of the mixture	1.300 mPa·s
Consumption at a coating thickness of 1,0 mm	1,10 kg/m ²
Maximum layer thickness for each working step	10 mm
Pot life at +20°C (+68°F) 200g preparation	20 min.
Curing time mechanical loads	24 h
Final strength after	36 h
Mean strength at +25°C (+77°F) acc. to DIN 53281-83 ASTM D 1002:	

Note

The specifications and recommendations given in this technical data sheet must not be seen as guaranteed product characteristics. They are based on our laboratory tests and on practical experience. Since individual application conditions are beyond our knowledge, control and responsibility, this information is provided without any obligation. We do guarantee the continuously high quality of our products. However, own adequate laboratory and practical tests to find out if the product in question meets the requested properties are recommended. A claim cannot be derived from them. The user bears the only responsibility for non-appropriate or other than specified applications.

Pressure	60 Mpa
Bending	285 Mpa
E-Modul	17.000 - 18.000 Mpa
Shore D (ASTM D 1706)	80
Shrinkage	0,2 %
Thermoforming resistance	+50 °C
Temperature resistance	-35 to +120 °C
ISSA-Code	75.509.36
IMPA-Code	81 29 85

Information about surface pre-treatment and processing can be found in the manual.

Storage

Store WEICON Plastic Metal at room temperature (but up to max. +25°C) in a dry place. Unopened containers can be stored for 18 months at temperatures from +18 to +25°C (Epoxy Resin Putty max. 3 years). Opened containers should be used within 6 months.

Safety and health

When using WEICON products, the physical, safety technical, toxicological and ecological data and regulations in our EC safety data sheets (www.weicon.com) must be observed.

Available sizes:

10520010 WEICON Casting Resin MS 1000 1.0 kg

Accessories:

10519250	Colour Paste Black, 250 g
10604025	Mould Release Agent Liquid F 1000, 250 ml
10604515	Mould Release Agent Wax P 500, 150 g
10850005	Glass Fibre Cloth Tape, 50 mm
10953001	Processing Spatula, short
10953003	Processing Spatula, long
10953010	Stirrer Stainless Steel,
11202400	Sealant and Adhesive Remover, 400 ml
11207400	Surface Cleaner, 400 ml
11450400	Mould Release Agent, 400 ml
11850200	Hand Protective Foam, 200 ml

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