

SUSTARIN C MG • New Materials for medical technology tested on the semi-finished product acc. to USP Class VI & ISO 10993-5

In addition to the excellent properties of the well known SUSTARIN C, the new SUSTARIN C MG product group offers a certified biocompatibility according to **USP Class VI** and **DIN EN ISO 10993-5** (cytotoxicity). In order to meet the requirements of the medical technology market, tests for the biocompatibility were carried out **on the semi-finished product**.



Production possibilities

	Ø mm	Length mm	Colour
Rods	5 - 300	1.000/2.000/3.000	●●●●●●

Stock items are available in various dimensions (25-65 mm). Sheets, plates, etc. upon request.

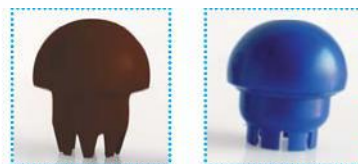
- Colours***
- RAL 3031 (orient red)
 - RAL 5005 (signal blue)
 - RAL 6016 (turquoise)
 - RAL 8017 (chocolate brown)
 - RAL 1016 (brimstone yellow)
- natural (without illustration) * similar to RAL

Technical characteristics (extract)

Properties	Unit	Test standard	Value
• FDA conformity			
• tested biocompatibility acc. to USP Class VI and			
DIN specification		DIN EN ISO 1043-1	POM-C
Density	g/cm ³	DIN EN ISO 1183-1	1,41
Yield stress/tensile strength	MPa	DIN EN ISO 527	65
Elongation at break	%	DIN EN ISO 527	30
E-modulus/stiffness	MPa	DIN EN ISO 527	2.600
Notched impact strength (charpy)	kJ/m ²	DIN EN ISO 179	5,5
Service temperature, short term	C°	Richtwert	140
Heat deflection temperature	C°	DIN EN ISO 75 (A)	110

The above specifications are in accordance with our latest state of information. They do not ensure any particular feature or suitability for applications.

Proven applications



Certifications

DIN EN ISO 10993-5 on the semi-finished product makes the approval of the medical device easier

Important properties

- multiple sterilization is possible with hot steam, plasma as well as ethylene oxide
- good resistance against many detergents, disinfectants and solvents
- ideal combination of hardness, stiffness and toughness
- optimized annealing process (semi-finished products are free from material tensions) and the low water absorption lead to a high dimensional stability and precision of the machined parts
- pleasant haptics

Your contact

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