



EOS CobaltChrome MP1
for EOS M 100

EOS CobaltChrome MP1

EOS M 100 | 30 μm

EOS CoCr MP1 conforms to chemical composition UNS R31538. Parts built can be machined, welded, polished and coated as required. They are suitable for a wide variety of applications.



Main Characteristics

- High carbon CoCrMo based superalloy
- Good corrosion and wear resistance
- Good mechanical properties

Typical Applications

- Orthopedic implants
- Gas turbines
- Engine components
- Jewelry

Headquarters

EOS GmbH
Electro Optical Systems
Robert-Stirling-Ring 1
D-82152 Krailling/Munich
Germany
Phone +49 89 893 36-0
info@eos.info

www.eos.info

in EOS
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 #ShapingFuture
 #ResponsibleManufacturing

Product Information

Current TRL	3
DMLS System	EOS M 100
Material	EOS CobaltChrome MP1
Process	CoCr_030_100 M100

Layer thickness 30 μm

Volume rate 1.5 mm³/s

Porosity <0,2 %



Further Offices

EOS France
Phone +33 437 497 676

EOS Greater China
Phone +86 21 602 307 00

EOS India
Phone +91 443 964 8000

EOS Italy
Phone +39 023 340 1659

EOS Japan
Phone +81 45 670 0250

EOS Korea
Phone +82 2 6330 5800

EOS Nordic & Baltic
Phone +46 31 760 4640

EOS North America
Phone +1 877 388 7916

EOS Singapore
Phone +65 6430 0463

EOS UK
Phone +44 1926 675 110

Typical part properties

	Yield strength Rp _{0,2} [MPa]	Tensile strength Rm [MPa]	Elongation at break A [%]
As manufactured vertical	830	1200	13
As manufactured horizontal	1040	1340	11

Status 01/2022

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