

EOS Materials Metal

Technical Data



Product class	Product name	Material type*	Typical applications
Maraging steel	EOS MaragingSteel MS1	18 Mar 300 / 1.2709	Series injection molding tools, mechanical parts
	EOS MaragingSteel MS2**	EN 1.2709	Series injection molding tools, mechanical parts
Stainless steel	EOS StainlessSteel GP1	Stainless steel 17-4 / 1.4542	Functional prototypes and series-production parts for mechanical engineering and medical technology
	EOS StainlessSteel PH1	Hardenable stainless steel 15-5 / 1.4540	Functional prototypes and series-production parts for mechanical engineering and medical technology
	EOS StainlessSteel 316L	1.4404/UNS S31673	Lifestyle: jewellery, functional elements in yachts, spectacle frames, etc. Aerospace: supports, brackets, etc. Medical: functional prototypes and series-production parts in e.g. endoscopy and orthopedics
	EOS StainlessSteel 316L VPro	1.4404/UNS S31673	Economic material for volume production of sinter metal components for the automotive industry
	EOS StainlessSteel CX	Tooling grade steel	Manufacturing of injection moulding tools for medical products or products from corrosive plastics
	EOS StainlessSteel 17-4PH	Stainless steel 17-4PH / 1.4542 / X5CrNiCuNb17-4 ASTM F899-12b	Medical instruments (surgical tools, orthopedic instrumentation), acid- and corrosion resistant parts
	EOS NickelAlloy IN718	Inconel™ 718, UNS N07718, AMS 5662, mat. # 2.4668	Functional prototypes and series-production parts, high-temperature turbine components
EOS NickelAlloy IN625	Inconel™ 625, UNS N06625, AMS 5666F, mat. # 2.4856	Functional prototypes and series-production parts, high-temperature turbine components	
EOS NickelAlloy HX	UNS N06002	Components with severe thermal conditions and high risk of oxidation, e.g. combustion chambers, burner components, fans, roller hearths and support members in industrial furnaces	
Cobalt chrome	EOS CobaltChrome MP1	CoCrMo super alloy, UNS R31538, ASTM F75	Functional prototypes, series-production parts, mechanical engineering, medical technology, dental
	EOS CobaltChrome SP2	CoCrMo super alloy	Dental restorations (series-production)
	EOS CobaltChrome RPD	CoCrMo super alloy	Removable partial dentures
Titanium	EOS Titanium Ti64	Ti64 Ti6Al4V light metal, grade 5	Functional prototypes and series-production parts for aerospace, motorsports, etc.
	EOS Titanium Ti64ELI	Ti6Al4V ELI, grade 23	Functional prototypes and series-production parts in medical technology
	EOS Titanium TiCP	TiCP Grade 2, 3.7035, ASTM F67 (UNS R50400), ISO5832-2)	Medical implants (trauma plates, CMF Implants, spinal cages, dental implants)
Aluminium	EOS Aluminium AlSi10Mg	AlSi10Mg light metal	Functional prototypes and series-production parts for mechanical engineering, motorsports, etc.
	EOS Aluminium AlF357	AlSi7Mg0,6 light metal	Aerospace and automotive
Refractive Metals	EOS Tungsten W1	Pure tungsten	Thin walled parts for use in guidance structures in x-ray imaging such as anti-scatter grids

Detailed information: www.eos.info/material-m

* Material in accordance with respective standard
** Currently under development

