

Product range



Catamold® – Inject your ideas

Our contribution to your success

 **BASF**

The Chemical Company

Catamold® – the range to suit your needs

Metal Injection Molding (MIM)

Low-alloy steels for heat treatment

Catamold® FN02	case hardenable	Carbonyl iron with 2 % nickel			
Catamold® FN0205	heat-treatable	Carbonyl iron with 2 % nickel			
Catamold® 4605	heat-treatable	Carbonyl iron with 2 % nickel			ASTM MIM-4605
Catamold® FN08	heat-treatable or case hardenable	Carbonyl iron with 8 % nickel			
Catamold® 8620	case hardenable	21 NiCrMo 2	DIN 1.6523	AISI 8620	UNS G86200
Catamold® 42CrMo4	heat-treatable	42 CrMo 4	DIN 1.7225	AISI 4140	UNS G41400
Catamold® 4340	heat-treatable	40 NiCrMo 6	DIN 1.6565	AISI 4340	UNS G43400
Catamold® 100Cr6	heat-treatable, wear resistant	100 Cr 6	DIN 1.3505	AISI E52100	UNS G52986
Catamold® 1010	case hardenable	C10	DIN 1.0301	AISI 1010	UNS G10100

Stainless and heat resistant steels

Catamold® 316L	nonmagnetic	X2 CrNiMo 17 13 2	DIN 1.4404	AISI 316L	UNS S31603
Catamold® P.A.N.A.C.E.A.	nonmagnetic, nickel free	X15 CrMnMoN 17 11 3			
Catamold® 430	ferromagnetic	X6 Cr 17	DIN 1.4016	AISI 430	UNS S43000
Catamold® 17-4PH	hardenable, ferromagnetic	X5 CrNiCuNb 17 4	DIN 1.4542	SAE J467 (17-4PH)	UNS S17400
Catamold® 420	hardenable, ferromagnetic	X20 Cr 13	DIN 1.4021	AISI 420	UNS S42000
Catamold® 310	heat resistant	X15 CrNiSi 2520	DIN 1.4841	AISI 310	UNS S31000
Catamold® 440B	hardenable, ferromagnetic	X90 CrMoV18	DIN 1.4112	AISI 440B	UNS S44003
Catamold® 440Nb	hardenable, ferromagnetic	X105 CrMo 17	DIN 1.4125	AISI 440C	UNS S44004

Tool steel

Catamold® M2	wear resistant	SC 6-5-2	DIN 1.3342	AISI M2	UNS T11302
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Soft magnetic alloys

Catamold® F		Carbonyl iron			
Catamold® FeSi3		Carbonyl iron with 3 % of silicon	DIN 1.0884		
Catamold® FN50		Carbonyl iron with 50 % of nickel	DIN 1.3926		UNS K95000

Special alloys

Catamold® Ti		Titanium, commercially pure	DIN 3.7065	ASTM grade 4	UNS R50700
Catamold® W		tungsten heavy metal			
Catamold® F15	low thermal expansion	Fe-Ni-Co alloy		ASTM F15	UNS K94610
Catamold® HX	heat resistant	NiCr 22 Fe 18 Mo	DIN 2.4665	ASTM B 366	UNS K94610
Catamold® N90	heat resistant	NiCr 20 Co 18 Ti	DIN 2.4632	SAE J775 (HEV-6)	UNS N07090
Catamold® GHS-4	heat and wear resistant	PL Ni 40 Cr 12 Mo 6			

The standards indicated are equivalent material designations.

Ceramic Injection Molding (CIM)

Oxide ceramics

Catamold® AO-F	Aluminium oxide 99.8 %
Catamold® AO-H	Aluminium oxide 96 %
Catamold® ZTA-FB	Aluminium oxide, zirconia toughened
Catamold® TZP	Zirconium oxide with 5 % of yttrium oxide
Catamold® TZP-F315	Zirconium oxide with 5 % of yttrium oxide and black color pigments*

BASF Aktiengesellschaft

GBU Inorganic Specialties

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BASF's Catamold® provides a ready-to-use product range tailored to the most important applications.

The advantage: There is no need for compounding equipment and you can concentrate fully on your core business of producing parts.

BASF is the world's leading chemical company. Our portfolio ranges from chemicals, plastics, performance products, agricultural products and fine chemicals to crude oil and natural gas. As a reliable partner to virtually all industries, BASF's intelligent solutions and high-value products help customers to be more successful. BASF develops new technologies and uses them to open up additional market opportunities. We combine economic success with environmental protection and social responsibility, thus contributing to a better future. Further information on BASF is available on the Internet at www.basf.com. While the descriptions, designs, data and information contained herein are presented in good faith and believed to be accurate, it is provided for your guidance only. Because many factors may affect processing or application/use, we recommend that you make tests to determine the suitability of a product for your particular purpose prior to use. NO WARRANTIES OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE MADE REGARDING PRODUCTS DESCRIBED OR DESIGNS, DATA OR INFORMATION SET FORTH, OR THAT THE PRODUCTS, DESIGNS, DATA OR INFORMATION MAY BE USED WITHOUT INFRINGING THE INTELLECTUAL PROPERTY RIGHTS OF OTHERS. IN NO CASE SHALL THE DESCRIPTIONS, INFORMATION, DATA OR DESIGNS PROVIDED BE CONSIDERED A PART OF OUR TERMS AND CONDITIONS OF SALE. ALL TRADEMARKS ARE OWNED BY BASF AG OR BASF CORPORATION. (09/2006)