

積層造形用耐食合金粉末 ADMUSTER®Cシリーズ

Corrosion-resistant Alloy Powders ADMUSTER® C series

高腐食環境下で用いられる機器の
積層造形部品の実用化に貢献します。

Alloy series for additive manufacturing (AM) parts that are used in highly corrosive environments



概要

モノづくりを支える材料技術コーナー

高い耐食性が要求される分野において、信頼性向上による操業停止
リスク低減、部品交換頻度の低減、部品製造リードタイムの短縮やCO₂削減に貢献します。

The higher reliability of ADMUSTER C series lead to the reduction of operation halt risks and lower frequency of part exchange as well as shorter part production lead times and the reduction of CO₂ in fields that require high corrosion resistance.

用途

半導体製造装置, 医薬品製造, Oil&Gasやエネルギー関連設備

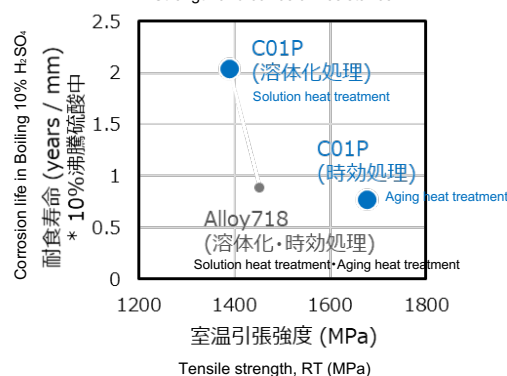
Semiconductor manufacturing equipment; drug intermediate production; oil, gas, and other energy facilities

特長

■高強度・高耐食性多元系合ADMUSTER® C01P/C02P
High Corrosion Resistant and High Strength Alloy ADMUSTER-C01P/C02P

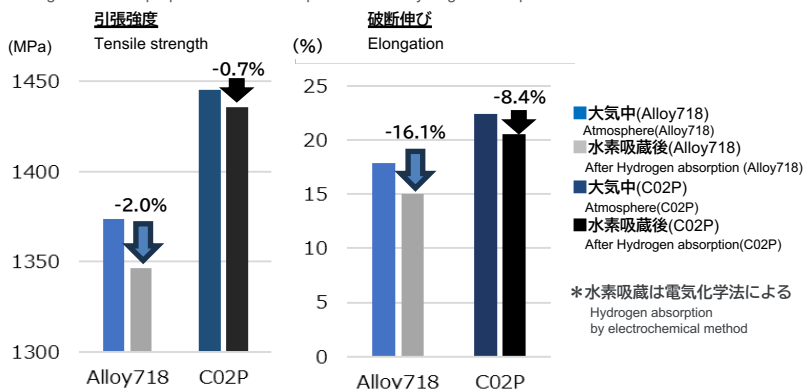
■多元系／ナノ析出物により強度と耐食性を両立。
Both high strength and corrosion resistance can be achieved by the multi-component nano-precipitate.

造形材の強度と耐食性 Strength and corrosion resistance



水素吸蔵後の室温引張特性の変化 Changes of tensile properties in room temperature after hydrogen absorption

Changes of tensile properties in room temperature after hydrogen absorption



■高耐食Ni基合金 ADMUSTER® C21P
High Corrosion Resistant Nickel-Based Alloy ADMUSTER-C21P

酸化性・非酸化性のいずれの環境に対しても
優れた耐食性をしめします。

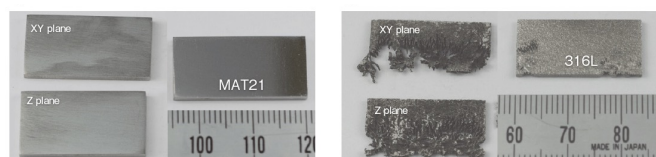
Excellent corrosion resistance in both oxidizing and non-oxidizing environments.

注)特性値、写真、図表、順位、評価等は当社試験データによる代表的な値であり、製品の品質を保証するものではありません。

The characteristics, photos, charts and evaluations of this catalog are representative value by our test data, it does not guarantee the quality of the product

沸騰5% HCl 浸漬腐食試験(24hr)後の試験片外観 Appearance of specimen after boiling 5% HCl immersion corrosion test (24 hours).

Appearance of specimen after boiling 5% HCl immersion corrosion test (24 hours).



C21P とMAT21®※

SUS316L

※MAT21®: C21Pと同組成の合金、溶融法で製造された製品の名称

MAT21®: Forged or rolled material made of high corrosion-resistant nickel-based alloy MAT21 which has the same composition as C21P

