

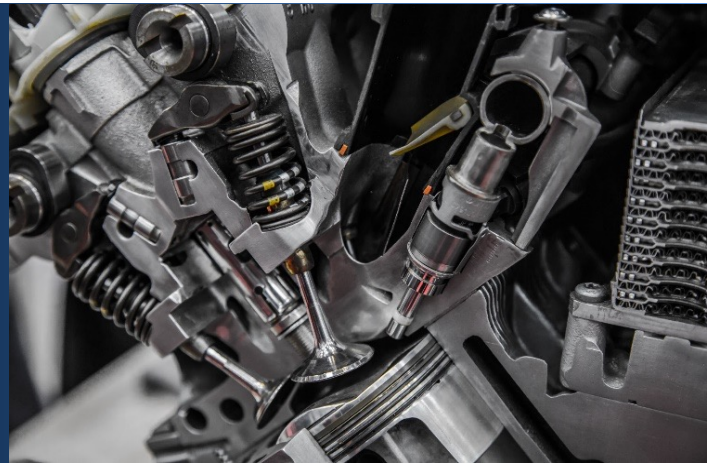
高硬度高耐食合金

ACD[®] 602,627

High hardness and high corrosion resistance alloy ACD[™] 602,627

高い硬さと優れた耐食性を併せ持つ特性を活かすことで
各種腐食環境において部品の長寿命化を実現できます。

It is possible to extend the life of parts in each corrosive environment, by taking advantage of the characteristics of high hardness and excellent corrosion resistance.



概要 Overview

高温窒化焼入れにより表面硬化層形成

Formation of surface hardening layer by nitriding quenching

耐食性と表面硬さ向上による長寿命化

The parts have longer life due to improved corrosion resistance and surface hardness

特徴 Feature

高い硬さと優れた耐食性を兼備

Combined with high hardness and high corrosion resistance

・表面硬さはSUS420J2より高い

The surface hardness is higher than SUS420J2.

・20%硫酸による腐食減量がSUS420J2対比で約1/3

Corrosion weight loss in 20% sulfuric acid is about 1/3 of SUS420J

・20%硝酸による腐食減量がSUS420J2対比で同等

Corrosion weight loss in 20% nitric acid is equivalent to SUS420J

・5%ギ酸による腐食減量がSUS420J2対比で約1/20

Corrosion weight loss in 5% formic acid is about 1/20 of SUS420J

・pH1.5硫酸による腐食減量がSUS420J2対比で約1/9

Corrosion weight loss in pH1.5 sulfuric acid is about 1/9 of SUS420J

・塩水噴霧による赤錆の発生は、SUS420J2対比で同等

Corrosion resistance caused by salt spray is equivalent to SUS420J

用途 Applications

内燃機関部品

Internal combustion engine parts

軸受, 歯車

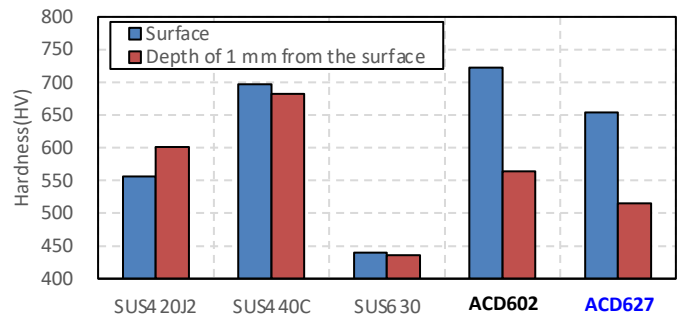
Bearing, Gear

医療用刃物

Medical cutlery

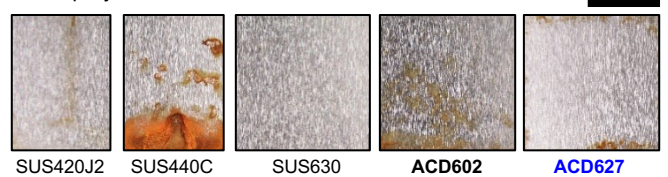
硬さ試験結果

Hardness test results



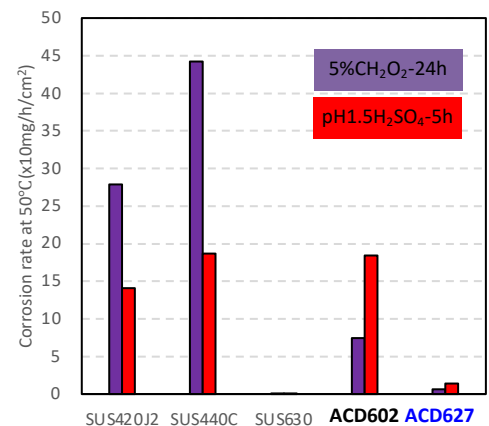
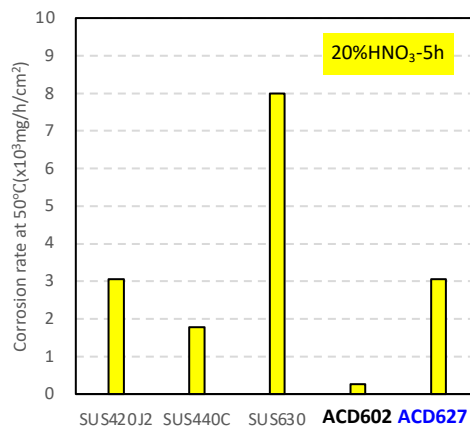
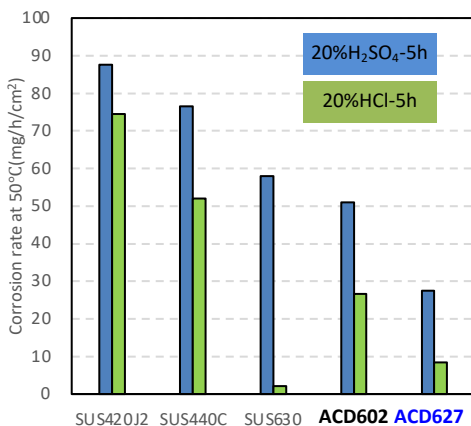
塩水噴霧試験結果(35°C-5%塩水-96h)

Salt spray test results



耐食性評価結果

Corrosion resistance test results



問合せ窓口

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