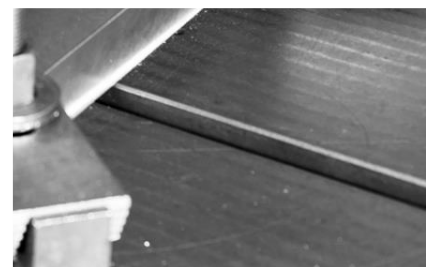
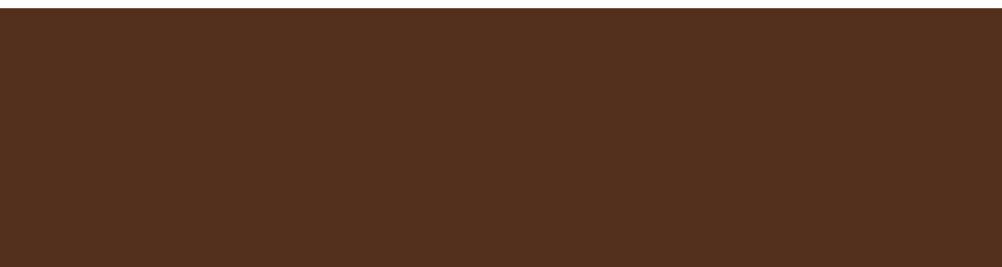


High strength maraging steel powder  
for additive manufacturing

# ADMUSTER-YAG350AM



High strength maraging steel powder for additive manufacturing

# ADMUSTER-YAG350AM



## ► Summary

ADMUSTER-YAG350AM is maraging steel powder for additive manufacturing that can be tempered to a higher hardness than general 300 ksi class maraging steel for additive manufacturing.

Application to die casting molds can be expected.

(Remarks) Export of products processed or manufactured from this product might need apply for export licenses to the authorities in your country.

## ► Powder specification

| Composition (Representative value) (mass%) |       |       |      |      |      |
|--------------------------------------------|-------|-------|------|------|------|
| Fe                                         | Ni    | Co    | Mo   | Ti   | Al   |
| Bal.                                       | 18.50 | 12.00 | 4.90 | 1.45 | 0.10 |

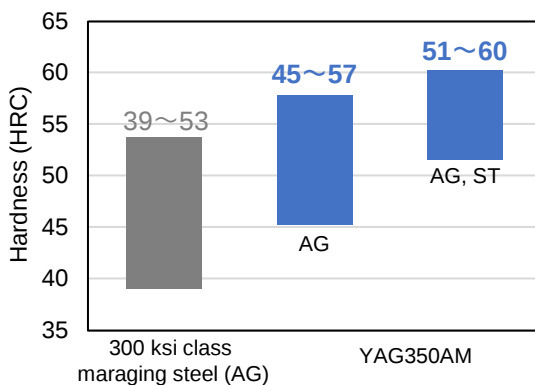
| Powder diameter distribution (μm) |     |     | Flowability (sec/50 g) |
|-----------------------------------|-----|-----|------------------------|
| D10                               | D50 | D90 | 21                     |
| 19                                | 33  | 54  |                        |

\*The particle size is adjustable.

## ► AM products specification

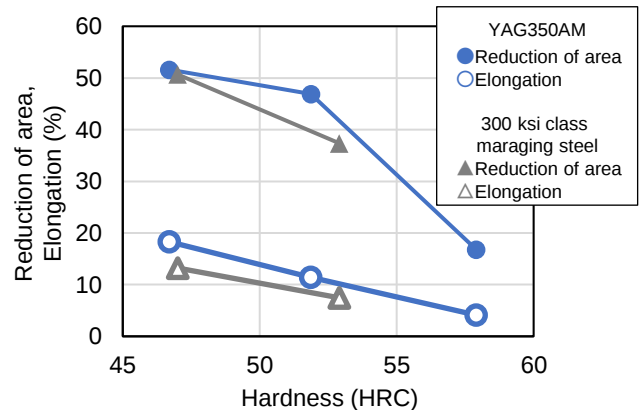
YAG350AM can achieve a hardness level of up to 60 HRC by applying appropriate solution heat treatment and aging heat treatment. When heat treated to the same hardness, YAG350AM is more ductile and tougher than general 300 ksi class maraging steel for additive manufacturing.

Range of hardness



\*AG: Aging heat treatment, ST: Solution heat treatment

Ductility, toughness



Contact Information

**Proterial, Ltd.**

R&D Division, AM Solution CV

ADMUSTER and YAG are registered trademarks of Proterial, Ltd.

Please contact this Web. Site  
<https://www.proterial.com>

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. This catalog and its contents are subject to change without notice.



AMSC23-062