

TMP-ALSi10Mg-AM

June 2021



| Alloy | Al | Si | Mg | Fe | Mn | Others |
|------------------------------------|-----------------------------------|------|-----------|-------|---------|--------|
| TMP-ALSi10Mg-AM | Balance | 9-11 | 0.25-0.45 | ≤0.55 | ≤0.45 | Ni, Zn |
| Powder Morphology: | Gas Atomized | | | | | |
| Particles Sizes Available: | 15-45 μm, and others upon request | | | | | |
| Particle Size Distribution: | D10 | | D50 | | D90 | |
| | 20.9μm | | 37.8μm | | 52.5 μm | |
| Apparent Density: | 1.37g/cm ³ | | | | | |
| Tap Density: | 1.61g/cm ³ | | | | | |
| Angle of Reponse: | 34° | | | | | |

Application:

- Structure parts
- Aerospace and automotive sectors

Manufacturing Process:

- Additive Manufacturing

Hazards:

Observe safe practices.
See TMetal material safety data sheet for details.

Packaging:

5kg/ bottle, others upon request

Product Overview

TMP-ALSi10Mg-AM is a hardenable aluminum-based alloy and is commonly used in additive manufacturing because of its good corrosion resistance, high mechanical strength, and low density. It is suitable for automotive and light-weight aerospace applications. It's also suited with thin-wall parts and complex geometries.

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