

## Technical Data Sheet

### AlSi10Mg Powder

**Product ID:** 13141200PD001 / 13141200PD002

**Formular:** AlSi10Mg

**Molecular weight:** /

**CAS No.:** /

**EINECS No.:** /

**Color:** Gray

**Description:** Our AlSi10Mg spherical powder has high flowability, excellent mechanical properties and corrosion resistance, good thermal stability, and strong machinability.

**Application:** Additive manufacturing (3D printing), Powder metallurgy (PM) and metal injection molding (MIM), Thermal spraying and cold spraying, Automotive and aerospace, etc.

**Product  
Image:**



#### 1. Sizes

Product ID	Formular	Particle Size
13141200PD001	AlSi10Mg	15-53 µm
13141200PD002	AlSi10Mg	20-63 µm
13141200PDDZ	AlSi10Mg	Customized

#### 2. Chemical compositions

	Chemical Composition (wt%)						
Element	Al	Si	Mg	Fe	Cu	Mn	Ti
Typical Value	Bal	9-11	0.2-0.6	≤0.45	≤0.08	≤0.45	≤0.15

*Note: The purity values shown are calculated by subtracting the sum of selected measured elemental impurities from 100%. These values do not represent the result of a full elemental analysis.*

**3. Apparent Density**

1.1-1.6 g/cm<sup>3</sup>

**4. Packaging**

Bottled/Bag.

Double vacuum packed.

**5. Period of Validity**

It is recommended to use this product within 12 months. If it is overdue, the product quality status should be re-evaluated.

**5. Handling and Storage**

When using, wear a dust mask and gloves to prevent inhalation of fine powder. Avoid strong vibrations to prevent powder agglomeration.

Store in a dry, sealed environment to avoid moisture and oxidation.

**Contact Us**

Website: [www.vimaterial.de](http://www.vimaterial.de)

Email: [info@vimaterial.de](mailto:info@vimaterial.de)

Tel: 0049 1626484175

Add.: Begener Straße 14., 30625 Hannover, Niedersachsen, Germany.