

Maraging Steel 1.2709 Powder Material Data Sheet

Powder Description

Gas atomized maraging steel 1.2709 has chemical composition corresponding to 18Ni 300 maraging steel. Powder is produced on latest atomization techniques and tested in-house. Vacuum induction melting and atomization under inert gas ensure the highest product quality.

Safety Recommendation

Please refer to the Safety Data Sheet (SDS) provided.

Chemical Composition

Elements [1]	Fe	Ni	Co	Mo	Ti	Al	C	Cr	Co	other
Min [wt.%]	Bal.	17	8.5	4.5	0.6	0.05	0	0	0	0
Max [wt.%]	Bal.	19	9.5	5.2	0.8	0.15	0.03	0.5	0.5	0.22

Powder Properties

Particle Size Distribution [μm] [2]	Flowability [s/50g] [3]	Apparent Density [g/cm^3] [4]
15 - 45	<18	3.90

Additional Comments

- [1] The data is valid for the powder material
- [2] Particle size distribution is measured according to ISO 13322-2
- [3] Flowability is measured according to DIN EN ISO 4490
- [4] Apparent density is measured according to DIN EN ISO 3923-1