

AMPERWELD[®] Ni-SA 625 GAS ATOMIZED

HS Number 75040000

Nickel Superalloy 625 is a Ni-Cr-Mo-Nb alloy with high resistance to oxidation at elevated temperatures up to 1050 °C, very good corrosion resistance to a wide variety of acids and chemicals, especially excellent resistant to pitting, crevice and intercrystalline corrosion.

AMPERWELD[®] Ni-SA 625

150/53 µm
125/45 µm
90/45 µm

Chemical Characteristics

(Mass fraction in % [cg/g]; ppm [µg/g])

Cr	20.0 - 23.0 %	Al	max.	0.10 %
Mo	8.0 - 10.0 %	Ti	max.	0.10 %
Nb	3.15 - 4.15 %	Si	max.	0.15 %
Fe	max. 1.5 %	Mn	max.	0.1 %
Co	max. 1.0 %	C	max.	0.03 %
		Ni	balance	

Physical Characteristics

(Grain Size Distribution and Tolerances above / below max. in %)

AMPERWELD[®] Ni-SA 625

150/53 µm	+	150 µm	max.	3 % ¹⁾
	-	53 µm	max.	2 % ¹⁾
125/45 µm	+	125 µm	max.	3 % ¹⁾
	-	45 µm	max.	2 % ¹⁾
90/45 µm	+	90 µm	max.	3 % ¹⁾
	-	45 µm	max.	2 % ¹⁾

Other grades on request.

Particle shape approximately spherical

1) ROTAP Screening per ASTM B 214.

Packaging	Standard Packaging: <i>AMPERWELD</i> [®] Ni-SA 625 5 kg in one 2.5 l PE bottle, 6 bottles (30 kg) in one cardboard box.
Storage and Handling	Storage and handling are subject to the rules and regulations in the country of use.
Hazards identification in Advertising (REGULATION (EC) No 1272/2008 Article 48)	Skin sensitisation Category 1 Carcinogenicity Category 1B Carcinogenicity Category 2 Specific target organ toxicity – repeated exposure Category 1 Chronic aquatic toxicity Category 3.
Documentation	An inspection document in accordance with EN 10204 is supplied with every shipment.
Remarks	Always mix well before using. Other grain sizes on request.

Höganäs Germany GmbH

Im Schleeke 78-91
38642 Goslar/Germany

Säckinger Straße 51
79725 Laufenburg/Germany

Phone +49 5321 751-53753

<https://www.hoganas.com/en/contact/>

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