

AMPERIT[®] 380 Ni-SA 625

Chemical Formula	NiCrMoNb
Description of Product	Gas Atomized
Grades Available	Product Designation
	AMPERIT [®] 380.002 90/45 µm
	AMPERIT [®] 380.074 45/15 µm
	AMPERIT [®] 380.088 53/20 µm

Chemical Characteristics

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

Cr	20.0 - 23.0 %	Al	max. 0.5 %
Mo	8.0 - 10.0 %	Ti	max. 0.5 %
Nb	3.15 - 4.15 %	Si	max. 0.5 %
Fe	max. 3.0 %	Mn	max. 0.5 %
Co	max. 1.0 %	C	max. 0.1 %
Ni	balance		

Physical Characteristics

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

Particel Size Distribution	380.002	380.074	380.088
+90 µm	max. 7 % ¹⁾		
+53 µm			max. 7 % ¹⁾
+45 µm		max. 7 % ¹⁾	
- 45 µm	max. 13 % ¹⁾		
- 20 µm			max. 13 % ²⁾
- 15 µm		max. 13 % ²⁾	

1) ROTAP Screening per ASTM B 214, 2) MICROTRAC by Laser Light Diffraction per ASTM C 1070.

Number PD-5248
Issue 0-27.01.2014

Packaging	Standard Packaging: 5 kg / 10 lbs in 2.5 l PE bottle.
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))	Carcinogenicity, Category 2 Specific target organ toxicity - repeated exposure Category 1 Skin sensitization, 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.

H.C. Starck GmbH
P.O. Box 34 14
38634 Goslar/Germany
Phone +49 5321 751-0, Fax +49 5321 751-6192

H.C.Starck 

[Further contact addresses](#)

info@hcstarck.com

www.hcstarck.com

The conditions of your use and application of our products, technical assistance and information (whether verbal, written or by way of production evaluations), including any suggested formulations and recommendations, are beyond our control. Therefore, it is imperative that you test our products, technical assistance and information to determine to your own satisfaction whether they are suitable for your intended uses and applications. This application-specific analysis at least must include testing to determine suitability from a technical as well as health, safety, and environmental standpoint. Such testing has not necessarily been done by H.C. Starck. All information is given without warranty or guarantee. It is expressly understood and agreed that the customer assumes and hereby expressly releases H.C. Starck from all liability, in tort, contract or otherwise, incurred in connection with the use of our products, technical assistance and information. Any statement or recommendation not contained herein is unauthorized and shall not bind H.C. Starck. Nothing herein shall be construed as a recommendation to use any product in conflict with patents covering any material or its use. No license is implied or in fact granted under the claims of any patent. In case of order please refer to issue number of the respective product data sheet. All deliveries are based on the latest issue of the product data sheet and the latest version of our General Conditions of Sale and Delivery.