POWDER FOR THERMAL SPRAYING

Number PD-5248
Issue 0-27.01.2014

AMPERIT® 380 Ni-SA 625

Chemical Formula	**NiCrMoNb**
Description of Product	**Gas Atomizedy**
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.

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

Further contact addresses info@hcstarck.com www.hcstarck.com