

## AMPERIT<sup>®</sup> 160

<b>Chemical Formula</b>	Nb
<b>Chemical Name</b>	Niobium
<b>Grades Available</b>	<b>Product Designation</b>
	AMPERIT <sup>®</sup> 160.074 45/15 µm
	AMPERIT <sup>®</sup> 160.003 45/ 5 µm

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### Chemical Characteristics

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

Nb	min.	99.9	%
C	max.	100	ppm
H	max.	100	ppm
N	max.	150	ppm
O	max.	2500	ppm
Ca	max.	10	ppm
Cr	max.	10	ppm
Fe	max.	100	ppm
K	max.	3	ppm
Mg	max.	10	ppm
Mn	max.	2	ppm
Mo	max.	100	ppm
Na	max.	3	ppm
Ni	max.	10	ppm
Si	max.	50	ppm
Ta	max.	500	ppm
W	max.	100	ppm

### Physical Characteristics

Particle Size Distribution<sup>1)</sup>

	<b>160.074</b>	<b>160.003</b>
+ 45 µm	max. 1 %	max. 1 %
- 15 µm	max. 5 %	
- 5 µm		max. 5 %

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1) Air Jet Screening.

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## POWDERS FOR THERMAL SPRAYING

Number PD-4125  
Issue 0-25.10.2018

<b>Packaging</b>	Packaging according to the Dangerous Goods / Regulations Class 4.1 "Flammable Solids.
<b>Storage and Handling</b>	Storage and handling are subject to the rules and regulations in the country of use.
<b>Hazards identification in Advertising (REGULATION (EC) No 1272/2008 Article 48)</b>	Flammable solids Category 1
<b>Documentation</b>	An inspection document in accordance with EN 10204 is supplied with every shipment.
<b>Remarks</b>	Always mix well before using.

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