

HMSP 1640-02

Product Data Sheet

Manufacturing Process	Application Properties	Typical Values	Unit
Gas Atomised	Hardness :	400	HV30
	Solidus:	1010	°C
	Liquidus :	1140	°C
Origin: Belgium			
Article No. 115009			

Physical Properties	Min	Max.	Unit
Fusing Temp	1030	1060	°C

Features & Benefits

Ni-based, HVOF and plasma spraying grade. Alloy for coating steam or gas turbine blades or others applications requiring extremely dense plasma coatings. The layer can be rendered completely dense by heat treatment

Physical Properties	Typical Values	Unit
Apparent Density	4.6	g/cm ³
Flow	12.5	s/50g

Chemical Analysis	Product Specifications		
	Min	Max	Unit
Fe	1.8	3.2	%
C	0.20	0.30	%
Si	3.2	3.8	%
B	1.5	1.8	%
Cr	6.9	8.2	%
Ni	Balance	Balance	%

Sieve Analysis		Product Specifications		
μm	Mesh	Min	Max	Unit
+ 71	+ 200		0.00	%
+ 63	+ 230		1.00	%
20 - 63		balance		%
- 20			3.00	%