

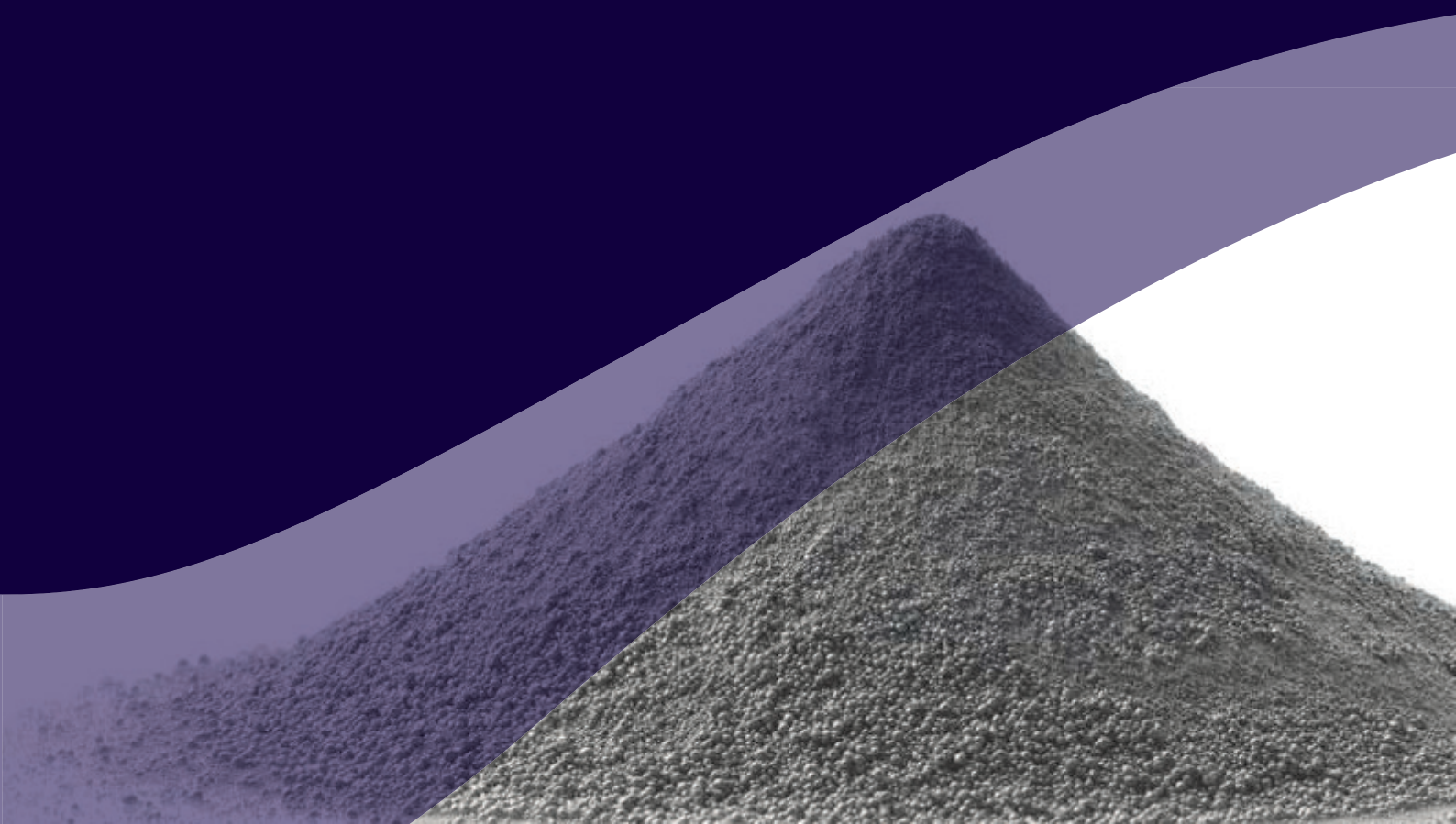


PEARL[®]

BY

ERASTEEL

**METAL POWDERS
FOR HIPING**



HOT ISOSTATIC POWDER GUIDE



Stainless Steels		Composition						
ERASTEEL	Standards	C	Cr	Mo	W	Co	V	Others
Pearl® 10V	10V-12	2.45	12.4	1.3			10.0	
Pearl® 11K	MV 11K	2.55	25.3	1.1			3.6	
Pearl® 235	X235	2.45	20.0	1.3			4.3	Nb = 1.9
Pearl® 260	X260 Cr	2.70	26.0	1.1			2.3	Nb = 1.2
Pearl® 2745	APM 2745	1.90	20.0	1.1	0.6		4.0	
Pearl® 440B	440B	0.90	18.0	1.1			0.1	

High-Speed Steels		Composition						
ERASTEEL	Standards	C	Cr	Mo	W	Co	V	Others
Pearl® 2004	M4	1.40	4.2	5.0	5.8		4.1	
Pearl® 2005		1.50	4.0	2.5	2.5		4.0	
Pearl® 2009	APM 2709	1.90	5.25	1.3			9.1	
Pearl® 2011	APM 2710	2.45	5.3	1.3			9.8	
Pearl® 2012		0.60	4.0	2.0	2.1		1.5	Si = 1.0
Pearl® 2015		1.6	4.0		12	5.0	5.0	
Pearl® 2023	APM 2723	1.28	4.0	5.0	6.4		3.1	
Pearl® 2023S	APM 2823	1.28	4.1	5.0	6.4		3.1	S = 0.07
Pearl® 2030		1.28	4.2	5.0	6.4	8.5	3.1	
Pearl® 2052		1.67	4.8	2.0	10.5	8.0	4.9	
Pearl® 2053		2.48	4.2	3.1	4.2		8.0	
Pearl® 2060	1.3241	2.30	4.2	7.0	6.5	10.5	6.5	
Pearl® 2060S		2.30	4.2	7.0	6.5	10.5	6.5	S = 0.07

Tool Steels		Composition						
ERASTEEL	Standards	C	Cr	Mo	W	Co	V	Others
Pearl® 2766	APM 2766	0.30	3.0	2.8		5.0	0.5	
Pearl® D2	D2	1.55	11.5	0.7			1.0	
Pearl® D7	1.2380	2.30	12.5	1.0			4.0	
Pearl® H13	H13	0.40	5.0	1.3			1.0	
Pearl® O2	1.2842	0.90	0.40				0.1	Mn = 2.00

Packaging

- Metallic drums: 250 Kg
- Barrels
- Big bags
- Customer packaging on request

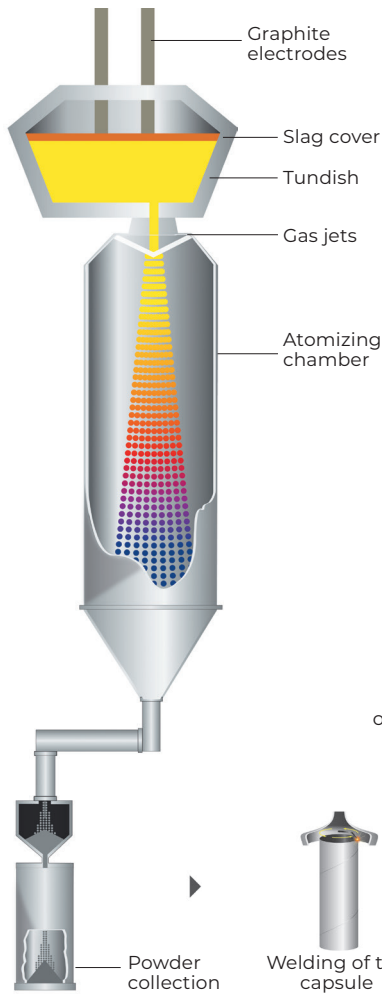


Features and benefits

- Standard & customized compositions
- Particle size up to 500 µm (35 Mesh)
- High powder flowability
- Best packing density
- Flexible service

POWDER GAS ATOMIZATION PROCESS

Made in Sweden



> A state-of-the-art gas-atomization process:

- Melting with ESH technology
- Gas atomization with Nitrogen
- Highly spherical powder morphology
- High stability and reproducibility
- High cleanliness level
- Fully controlled low oxygen and carbon levels
- Avoids satellites & internal porosities

More than 50 years of experience
on powder gas atomization
at Söderfors, Sweden

APPLICATIONS



- Mechanical components, injection screws and segments
- Tooling
- PM-HSS cutting tools