

ERVIN STAINLESS

The world
standard for
quality

Amacast is produced with an advanced technology, developed in the aerospace defence sector, which is unique in the abrasives industry.

Amacast is atomized in a controlled atmosphere in a dedicated plant; the operation is fully computerised, with the monitoring of all parameters (atmosphere content, flow, speed, size, cooling cycle, shape, etc...)

The outcome of this process is a **particularly strong austenitic micro structure**, with an outstanding bond of molecules in perfectly regular clusters.

The well rounded and compact shape of the particles is an indicator of the robustness of the microstructure.

There is also no surface oxidation due to the controlled atmosphere process.

Amacast possesses **the greater mass/density per particle**, thus delivering more energy than any other media of its type.

The nearly perfect round shape enables the most regular and reliable screening with no elongated particles present in smaller sizes.

AMACAST

The Amacast's manufacturing specifications are very narrow, providing consistent nickel content.

Amacast's own hardening cycle in the blasting process varies with the component to be blasted and hence adjusts to the application.

Amacast's screening provides an operating mix which is ready to use, immediately effective in the machine, with a distribution ensuring the best balance between impact effect and coverage.

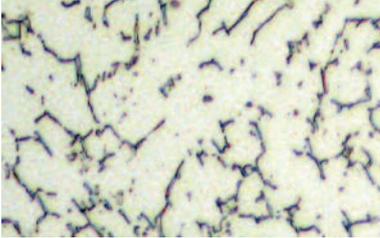
Amacast is the highest quality and performance stainless blasting media, out-performing all other stainless abrasives, water or gas atomized, by a wide margin. Typically **Amacast premium in life and energy transmission is from 20% to 60%**.

Amacast performs particularly well in technical applications requiring a quality finish with strict cost control.

BENEFITS:

- **Environmentally friendly**, from manufacturing process to blasting and recycling.
- **Technically effective**, with the highest energy transmission and the longest durability, thanks to the robustness of its microstructure and matched operating mix, even in the most challenging applications or situations. Amacast provides the best impact finish, generates the very precise roughness demanded by automotive and aerospace industries.
- **Economically sound**, providing the lowest operating cost and the fastest effect.
- **Thanks to its totally confined process of production, Amacast is contaminant free**, and is the safest material for treating delicate components.

Amacast at work : enhancing and securing your operation!

MICROSTRUCTURE	APPARENT DENSITY	CHEMICAL ANALYSIS
Homogenous Austenitic	4,8 kg/dm ³	Carbon ~0.25%
Austenitic Microstructure - x200	HARDNESS	Silicon ~3%
	New: 20 HRC 220 HV Conditioned: 37 HRC 470 HV <small>(Conditioning takes place during normal use.)</small>	Manganese ~2%
	PACKAGING	Chromium 16%-20%
	500 kg Euro-pallets, 20 PE-bags x 25 kg, cardboard box, plastic cover shrink wrapped	Nickel 6%-10%

AMACAST SCREENING SPECS.	STANDARD SIZES*														0,14	0,09	<0,09	
	3,5	3,0	2,5	2,0	1,7	1,4	1,25	1,0	0,8	0,7	0,6	0,5	0,4	0,3				0,2
60							5% MAX			90% MIN								
50								5% MAX			90% MIN							
40									5% MAX				90% MIN					
30												5% MAX				90% MIN		
20														5% MAX			90% MIN	
10															5% MAX			

For product optimisation we reserve the right to change specifications

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