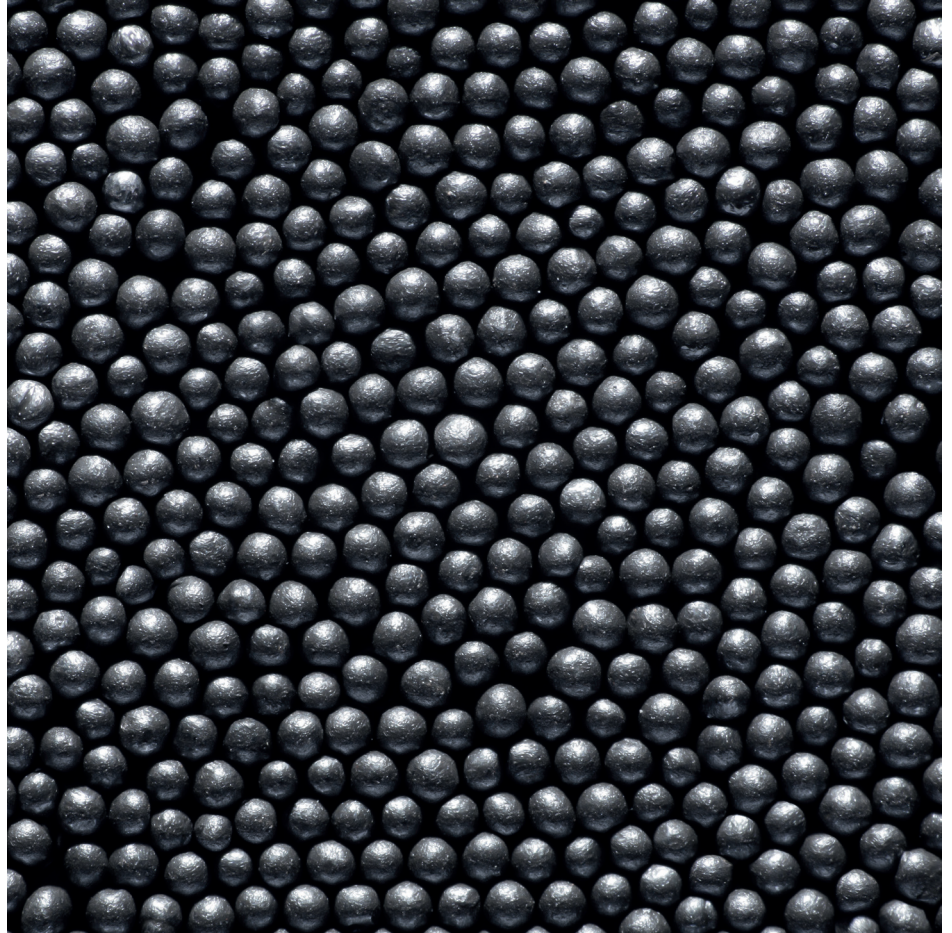


AMASTEEL®



The Ervin technology for high carbon steel abrasives is the most advanced worldwide. Ervin manufacture to 3rd party international SAE and ISO specifications in Tipton, UK and Glaubitz, Germany. This ensures AMASTEEL shot and grit is a consistently high quality martensitic abrasive.

Continuous quality control, in combination with the cutting-edge production process, optimises durability and cleaning power.

AMASTEEL is ideal for:

- Automatic wheel blast machines
- Air blast systems
- Desanding, descaling & deburring
- Surface preparation
- Shot peening
- Cutting

Example applications:

- Foundry and Forge
- Metallurgy
- Transportation
- Energy sector
- Construction
- Fabrication

Key benefits:

- Lowest consumption
- Highest productivity, lowest cost
- Consistent abrasive performance
- Reduced wear
- Reduced dust & waste disposal
- Local technical support

AMASTEEL®

Chemical Analysis

C	0.80 - 1.20%
Mn	S70 to S110: 0.35 - 1.20%
	S170: 0.50 - 1.20%
	S230 and above, all grit sizes: 0.60 - 1.20%
Si	0.40% MIN
S	0.05% MAX
P	0.05% MAX

Hardness

S Shot & Grit	40 - 51 HRC (390 - 530 HV)
M Shot & Grit	47 - 56 HRC (470 - 610 HV)
L Shot & Grit	54 - 61 HRC (570 - 720 HV)
H Grit	≥ 60 HRC (700 HV)

Density

Shot	≥ 7.0 g/cm ³
Grit	≥ 7.3 g/cm ³

Packaging

1.5 tonne Big Bag

1 tonne Euro pallet with
40 lined paper bags x 25 kg

Microstructure

Uniform tempered martensite

SHOT	mm	2.800	2.360	2.000	1.700	1.400	1.180	1.000	0.850	0.710	0.600	0.500	0.425	0.355	0.300	0.180	0.125
	SAE	7	8	10	12	14	16	18	20	25	30	35	40	45	50	80	120
S780		AP		85% MIN	97% MIN												
S660			AP		85% MIN	97% MIN											
S550				AP		85% MIN	97% MIN										
S460				AP	5% MAX		85% MIN	96% MIN									
S390					AP	5% MAX		85% MIN	96% MIN								
S330						AP	5% MAX		85% MIN	96% MIN							
S280							AP	5% MAX		85% MIN	96% MIN						
S230								AP	10% MAX		85% MIN	97% MIN					
S170									AP	10% MAX			85% MIN	97% MIN			
S110											AP	10% MAX			80% MIN	90% MIN	
S70													AP	10% MAX		80% MIN	90% MIN

GRIT	mm	2.800	2.360	2.000	1.700	1.400	1.180	1.000	0.710	0.425	0.300	0.180	0.125	0.075
	SAE	7	8	10	12	14	16	18	25	40	50	80	120	200
G10		AP		80% MIN	90% MIN									
G12			AP		80% MIN	90% MIN								
G14				AP		80% MIN	90% MIN							
G16					AP		75% MIN	85% MIN						
G18						AP		75% MIN	85% MIN					
G25							AP		70% MIN	80% MIN				
G40								AP		70% MIN	80% MIN			
G50									AP		65% MIN	75% MIN		
G80										AP		65% MIN	75% MIN	
G120											AP		60% MIN	70% MIN

Specifications

SHOT: SAE J444 & J827, ISO 11124-3
GRIT: SAE J444 & J1993, ISO 11124-3

AP = All Pass
MIN = Minimum
MAX = Maximum

Special sizes are available upon request.