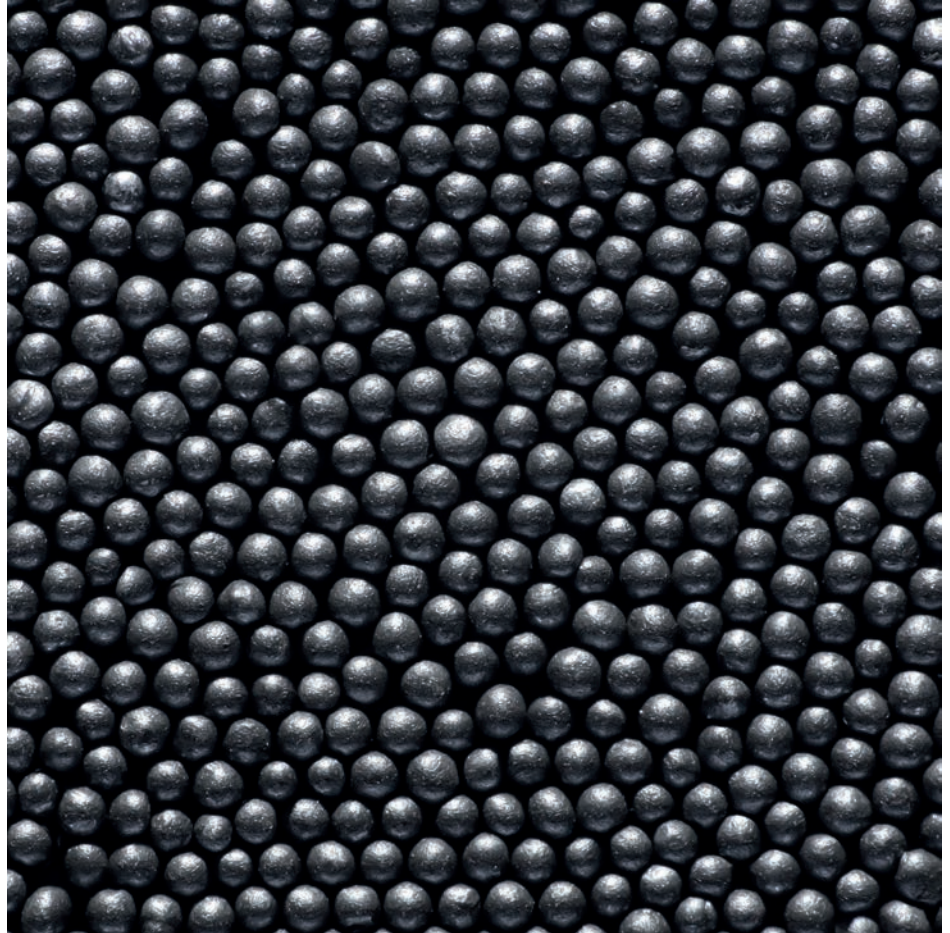


# AMAPEEN®



The Ervin technology for high carbon steel abrasives is the most advanced worldwide. The Ervin production to SAE and AMS specifications Glaubitz, Germany, ensures AMAPEEN shot is a consistently high quality martensitic peening media.

Continuous quality control, in combination with the cutting-edge production process, guarantees consistently high performance.

**AMAPEEN is ideal for:**

- Automatic wheel blast machines
- Air blast systems
- Shot peening

**Example applications:**

- Aerospace
- Automotive

**Key benefits:**

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

# AMAPEEN™

## Chemical Analysis

C	0.80 - 1.20%
Mn	S70 to S130 0.35 - 1.20%
	S170 & S190 0.50 - 1.20%
	S230 and above 0.60 - 1.20%
Si	0.40 - 1.50%
S	0.05% MAX
P	0.05% MAX

## Hardness

S Shot	40 - 51 HRC (390 - 530 HV)
M Shot	47 - 56 HRC (470 - 610 HV)
L Shot	54 - 61 HRC (570 - 720 HV)
AMS R	45 - 52 HRC (446 - 544 HV)
AMS H	55 - 62 HRC (595 - 746 HV)

## Microstructure

Uniform tempered martensite

## Density

≥ 7.0 g/cm<sup>3</sup>

## Packaging

1.5 tonne Big Bag

1 tonne Euro pallet with

40 lined paper bags x 25 kg

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	

AMS SHOT	mm	4.000	3.350	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	5	6	7	8	10	12	14	16	18	20	25	30	35	40	45	50	80	120
S930	AP	2% MAX	50% MAX	90% MIN	98% MIN														
S780	AP	2% MAX	50% MAX	90% MIN	98% MIN														
S660			AP	2% MAX	50% MAX	90% MIN	98% MIN												
S550				AP	2% MAX	50% MAX	90% MIN	98% MIN											
S460					AP	2% MAX	50% MAX	90% MIN	98% MIN										
S390						AP	2% MAX	50% MAX	90% MIN	98% MIN									
S330							AP	2% MAX	50% MAX	90% MIN	98% MIN								
S280								AP	2% MAX	50% MAX	90% MIN	98% MIN							
S230									AP	2% MAX	50% MAX	90% MIN	98% MIN						
S190										AP	2% MAX	50% MAX	90% MIN	98% MIN					
S170											AP	2% MAX	50% MAX	90% MIN	98% MIN				
S130												AP	2% MAX	50% MAX	90% MIN	98% MIN			
S110													AP	2% MAX	50% MAX	90% MIN	98% MIN		
S70														AP	2% MAX	50% MAX	90% MIN	98% MIN	

Special sizes are available upon request.

## Specifications

SHOT: SAE J444 & J827

AMS SHOT: AMS 2431

AP = All Pass

MIN = Minimum

MAX = Maximum