

AIRBLAST-ABRASIVES

Low Carbon Steel Shot



AIRBLAST



Product and Applications

Low carbon steel shot has a lower hardness than high carbon steel shot. Because of its microstructure it resists impact well until the moment it suddenly scatters and turns into dust. It is often used for flash descaling. Since low carbon steel shot is softer it is not possible to crush it into grit, which is therefore not available.

Chemical composition

C (%)	Mn (%)	Si (%)	S (%)	P (%)
0.10-0.17	1.00	0.10-0.25	< 0.035	< 0.035

Physical properties

Grain shape	:	Spherical
Hardness	:	40-45 HRC
Microstructure	:	Bainitic
Density	:	≥ 7.5 g/cm ³
Bulk density	:	Approx. 4.4 g/cm ³

Sizes

mesh	mm	SS-2.5	SS-2.0	SS-1.7	SS-1.4	SS-1.2	SS-1.0	SS-0.8	SS-0.6	SS-0.5	SS-0.3
7	2.80	all pass									
8	2.36		all pass								
10	2.00	85%min		all pass	all pass						
12	1.70	97%min	85%min		5%max	all pass					
14	1.40		97%min	85%min		5%max	all pass				
16	1.18			97%min	85%min		5%max	all pass			
18	1.00				96%min	85%min		5%max	all pass		
20	0.850					96%min	85%min		10%max	all pass	
25	0.710						96%min	85%min		10%max	
30	0.600							96%min	85%min		all pass
35	0.500								97%min		10%max
40	0.425									85%min	
45	0.355									97%min	
50	0.300										80%min
80	0.180										90%min
120	0.125										
200	0.075										
325	0.045										
SAE J444		S-780	S-660	S-550	S-460	S-390	S-330	S-280	S-230	S-170	S-110

Packaging

- 25 kgs. PE bags on EURO-pallet (max. 1000 kgs.)
- 1000 kgs. in big bags